DOCUMENT RESUME

ED 239 860 SE 043 771

AUTHOR	Pijar, Mary Lou, Comp; And Others
TITLE	Source Book of Educational Materials for Diagnostic Medical Ultrasound. Radiological Health Series.
INSTITUTION	Food and Drug Administration (DHHS/PHS), Washington, D.C.
REPORT NO	FDA-83-8210
PUB DATE	Aug 83
NOTE	75p.
AVAILABLE FROM	Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.
PUB TYPE	Reference Materials - Bibliographies (131)
EDRS PRICE	MF01/PC03 Plus Postage.
DESCRIPTORS	Anatomy; *Audiovisual Aids; Cardiovascular System; *Clinical Diagnosis; Computer Science; *Diagnostic Tests; Higher Education; *Instructional Materials; Mathematics; Medical Education; *Medicine; Obstetrics; Ophthalmology; Pediatrics; Physics; Physiology; Publications; Resource Materials; Science Education
IDENTIFIERS	*Imaging; *Medical Diagnostic Ultrasound

ABSTRACT

This report is a compilation of educational materials that are available in the field of diagnostic medical ultrasound. Materials, which include publications, audiovisual aids, and teaching aids, are listed under the following categories: abdominal imaging; anatomy and physiology; anatomy and embryology; bioeffects; cardiology and vasculature; computer science and mathematics; diagnostic ultrasound; multi-mode imaging; obstetrics and gynecology; ophthalmic imaging; pediatric imaging; physics; quality assurance; and references. Each entry includes title, date of publication, and cost. In addition, most entries contain a brief annotation. A list of miscellaneous publications and a directory of sources with names and addresses of publishers, manufacturers, and producers of the materials are included. The compilation is intended for use by federal, state, and local radiological health personnel, professional societies with an interest in ultrasound, and directors of schools of ultrasound. (JN)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED239860

radiological health

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
✓ This document has been reproduced as received from the person or organization originating it.
☐ Minor changes have been made to improve reproduction quality.
• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

Source Book of Educational Materials for Diagnostic Medical Ultrasound

NATIONAL CENTER FOR DEVICES AND RADIOLOGICAL HEALTH
DRH

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Food and Drug Administration

NCDRH PUBLICATIONS - RADIOLOGICAL HEALTH

Publications of the National Center for Devices and Radiological Health (NCDRH) are available as paper copies from either the U.S. Government Printing Office (GPO) or the National Technical Information Service as indicated by the GPO or PB prefix, respectively, on the ordering number. Publications are also available in microfiche from NTIS at $4.50 per copy. To receive all NCDRH reports in microfiche, at $1.00 each, you may establish a deposit account with NTIS and request automatic distribution of "FDA/HFZ" reports under the "Selected Research in Microfiche" program. Those publications without GPO or PB numbers are available only from National Center for Devices and Radiological Health.

Addresses for ordering are: Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402; National Technical Information Service, Springfield, VA 22161 (outside North America, prices are double those listed); and National Center for Devices and Radiological Health, Food and Drug Administration (HFX-28), 5600 Fishers Lane, Rockville, MD 20857. All prices are subject to change.

FDA 81-8151 A Feasibility Study of the Biological Effects of Fallout on People in Utah, Nevada, and Arizona (PB 81-187692, $7.00).

FDA 81-8152 Annual Report of the Division of Biological Effects, Bureau of Radiological Health - Fiscal Year 1979 (PB 81-187155, $13.00).

FDA 81-8153 An Evaluation of Radiation Emission from Video Display Terminals (PB 81-198483, $10.00).

FDA 81-8155 A Practitioner's Guide to the Diagnostic X-Ray Equipment Standard (GPO 017-015-00185-7, $2.50).

FDA 81-8156 Symposium on Biological Effects and Measurement of Light Sources (GPO 017-015-00191-1, $7.50) (PB 81-214223, mf only).

FDA 81-8157 An Intercomparison of Nuclear Medicine, Ultrasonography, and Computed Tomography in the Diagnosis of Liver Disease: A Retrospective Study (PB 81-199044, $8.50).

FDA 81-8158 Background Material for the Development of the Food and Drug Administration's Recommendations on Thyroid-Blocking with Potassium Iodide (PB 81-205361, $8.50).

FDA 81-8161 BRH Routine Compliance Testing for Diagnostic X-Ray Systems (PB 81-201501, $17.50).

FDA 81-8162 Handbook of Computed Tomography - X-Ray Spectra (PB 81-295890, $13.00).

FDA 81-8163 Airborne Ultrasound: Measurement and Possible Adverse Effects (GPO 017-015-00193-8, $3.00) (PB 81-240459, mf only).

FDA 81-8164 Calculation Programs for Routine Compliance Testing of Diagnostic X-Ray Systems (PB 81-200503, $10.00).

FDA 81-8166 Third International Radiopharmaceutical Dosimetry Symposium (October 1980) (GPO 017-015-00194-6, $12.00) (PB 81-233090, mf only).

FDA 81-8169 Pilot Study of Social Security Administration Disability Claims (SSADC), by Selected Diagnosis and Qualified Radiation Exposure (PB 81-246761, $11.50).

FDA 81-8170 Effects of Ionizing Radiation on the Developing Embryo and Fetus: A Review (GPO 017-015-00198-9, $6.50) (PB 82-115379, mf only).

FDA 81-8171 Self-Assessment and Competency Assurance Education in Diagnostic Radiologic Technology: Final Report (September 30, 1977 to April 30, 1980) (PB 81-237448, $8.50).

FDA 81-8172 Plain Skull Film Radiography in the Management of Head Trauma: An Overview (PB 82-120130, $8.50).

FDA 81-8173 Pre-Employment Low Back X Rays: An Overview (PB 82-122979, $7.00).

FDA 81-8174 The Selection of Patients for X-Ray Examinations: The Pelvimetry Examination (brochure).

FDA 81-8175 Source Book of Educational Materials for Nuclear Medicine (GPO 017-015-00199-7, $6.50) (PB 82-116153, mf only).

FDA 81-8176 Administratively Required Dental Radiographs (GPO 017-015-00201-2, $3.25) (PB 82-117581, mf only).

FDA 81-8177 Emission Computed Tomography: The Single Photon Approach (GPO 017-015-00200-4, $8.50).

(Continued on inside back cover)

HHS Publication FDA 83-8210

Source Book of Educational Materials for Diagnostic Medical Ultrasound

Compiled by
Mary Lou Pijar
Catherine Pascuitti
Office of Training and Assistance

NATIONAL CENTER FOR DEVICES AND RADIOLOGICAL HEALTH
DRH

WHO Collaborating Centers for:
- Standardization of Protection Against Nonionizing Radiations
- Training and General Tasks in Radiation Medicine
- Nuclear Medicine

August 1983

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES
Public Health Service
Food and Drug Administration
National Center for Devices and Radiological Health
Rockville, Maryland 20857

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402

FOREWORD

In October 1982, the Food and Drug Administration established the National Center for Devices and Radiological Health (NCDRH) by merging the Bureau of Medical Devices and the Bureau of Radiological Health.

The Center develops and implements national programs to protect the public health in the fields of medical devices and radiological health. These programs are intended to assure the safety, effectiveness and proper labeling of medical devices, to control unnecessary human exposure to potentially hazardous ionizing and nonionizing radiation, and to ensure the safe, efficacious use of such radiation.

The Center publishes the results of its work in scientific journals and in its own technical reports. These reports provide a mechanism for disseminating results of NCDRH and contractor projects. They are sold by the Government Printing Office and/or the National Technical Information Service.

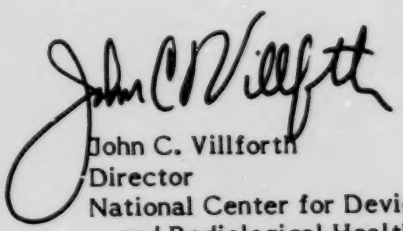
Also, NCDRH technical reports in radiological health are made available to the World Health Organization under a memorandum of agreement between WHO and the Department of Health and Human Services. Three WHO Collaborating Centers, established under the Bureau of Radiological Health, continue to function under NCDRH:

WHO Collaborating Center for Standardization of Protection Against Nonionizing Radiations;

WHO Collaborating Center for Training and General Tasks in Radiation Medicine; and

WHO Collaborating Center for Nuclear Medicine.

We welcome your comments and requests for further information.



John C. Villforth
Director
National Center for Devices
and Radiological Health

PREFACE

In recent years ultrasound has become important as a medical diagnostic tool. One of the major functions of the National Center for Devices and Radiological Health is to ensure the safe and efficient use of radiation in medical procedures. The Office of Training and Assistance helps meet this goal by the development and distribution of educational materials for students in the health care professions, and by the continuing education of individuals who are already in practice.

In the area of diagnostic medical ultrasound, the Center has recognized the need to identify and systematically categorize the educational materials and teaching aids that may be pertinent to student training and to continuing education, as well. With this is mind the Source Book of Educational Materials for Diagnostic Medical Ultrasound, a compendium of such educational materials, has been developed.

With the exception of those materials produced by NCDRH, the inclusion of educational material in this report should not be construed as endorsement of the technical accuracy or educational efficacy of the material by the Center.

William S. Properzio, Ph.D.
Acting Director
Office of Training and Assistance

ABSTRACT

Pijar, Mary Lou and Catherine Pascuitti. Source Book of Educational Materials for Diagnostic Medical Ultrasound. HHS Publication FDA 83-8210 (August 1983) (65 pp).

This report is a compilation of educational materials that are available in the field of diagnostic medical ultrasound. It contains information on publications, audiovisuals, and teaching aids related to diagnostic medical ultrasound and includes the names and addresses of publishers, producers, and manufacturers of these materials. The report is intended for use by Federal, State, and local radiological health personnel, professional societies with an interest in ultrasound, and directors of schools of ultrasound.

The mention of commercial products, their sources, or their use in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products by the Department of Health and Human Services (HHS), or the World Health Organization (WHO).

CONTENTS

		Page
Foreword		ii
Preface		iii
Introduction		1
1.	Abdominal Imaging	2
	A. Publications	2
	B. Audiovisuals	4
2.	Anatomy and Physiology/Embryology	5
	A. Publications	5
3.	Bioeffects	9
	A. Publications	9
4.	Cardiology/Vasculature	11
	A. Publications	11
	B. Audiovisuals	17
5.	Computer Science and Mathematics	20
	A. Publications	20
	B. Audiovisuals	22
6.	Diagnostic Ultrasound	23
	A. Publications	23
	B. Audiovisuals	31
7.	Multi-Mode Imaging	36
	A. Publications	36
	B. Audiovisuals	37
8.	Obstetrics/Gynecology	38
	A. Publications	38
	B. Audiovisuals	42
9.	Ophthalmic Imaging	46
	A. Publications	46
10.	Pediatric Imaging	47
	A. Publications	47
	B. Audiovisuals	48
11.	Physics	50
	A. Publications	50
	B. Audiovisuals	51
12.	Quality Assurance	52
	A. Publications	52
	B. Audiovisuals	53
	C. Training Aids	54

Page

13. Reference 56
A. Publications 56

14. Miscellaneous 59
A. Publications 59

15. Directory of Sources 61
Publishers 61
Producers of Audiovisuals 63
Producers of Training Aids 64
Periodicals 65

INTRODUCTION

The Source Book is divided into 15 chapters. Each one corresponds to subject areas included in a compilation of curricula for medical ultrasound technology. Each chapter has a "Publications" section, and some chapters have "Audiovisual" and "Training Aids" sections.

Entries include title, author, producer or publisher, date, ordering number if available, price and, when possible, a brief description. Publishers', producers' and manufacturers' addresses are found in Chapter 15 - Parts A, B, and C. Chapter 15 - Part D lists periodicals of special interest to individuals involved in medical ultrasound. This list of resource materials is not exhaustive but, in the opinion of the compilers, is a representative sample of the material available.

Prices are listed as of July 1982 and are subject to change.

1. ABDOMINAL IMAGING

A. PUBLICATIONS

ABDOMINAL ECHOGRAPHY
Barnett, E.; Morley, P.
Butterworths Publishing, Inc., 1974, out of print

This textbook discusses diagnostic ultrasound, as used for abdominal conditions. The basic principles are described, with emphasis on scanning techniques.

ABDOMINAL GRAY SCALE ULTRASONOGRAPHY
Goldberg, Barry B.
John Wiley and Sons, Inc., 1977, $54.00

Contains such chapters as Physics of Gray Scale, Gray Scale Instrumentation, Abdominal Vessels, etc.

ABDOMINAL ULTRASOUND: STATIC AND DYNAMIC SCANNING
Holm, Hans Henrik; Kristensen, Jorgen Kvist; Rasmossen, Sten Norby
University Park Press (2nd Ed.), 1981, $29.50

This new edition is a concise overview for radiologists, surgeons, and radiologic technologists entering the field. It explains the technology, anatomy, diagnostic methods, and various scanning techniques.

ABDOMINAL ULTRASOUND IN THE CANCER PATIENT
Brascho, Donn J.; Shawker, Thomas H.
John Wiley and Sons, Inc., 1980, $52.00

A comprehensive, fully-illustrated reference on the clinical application of ultrasound in the diagnosis and management of abdominal cancer patients for the radiologist, oncologist, and sonographer.

ALIMENTARY TRACT RADIOLOGY, VOL. III: ABDOMINAL IMAGING
Margulis, Alexander R.; Burhenne, H.; Jaachim (Eds.)
C.V. Mosby Company, 1979, $89.50

This volume focuses on contemporary imaging modalities. Internationally known contributors share their experiences and insights with all aspects of computed tomography, ultrasound, and nuclear medicine. Includes more than 1,200 illustrations.

ATLAS OF ABDOMINAL ULTRASONOGRAPHY IN CHILDREN
Gates, Garry F.
Churchill Livingstone Inc., 1978, $27.50

An atlas of ultrasonography directed exclusively to diseases of childhood. The radiologist, pediatrician or surgeon will find this a helpful reference to the clinical applications of abdominal ultrasonography in pediatric disease.

COMPARATIVE ABDOMINAL AND PELVIC ANATOMY BY COMPUTED TOMOGRAPHY AND ULTRASOUND
Raskin, Michael, M.
CRC Press, Inc., 1979, $74.50

Includes such topics as basic principles of computed tomography and ultrasound and abdominal anatomy and physiology.

DYNAMIC RADIOLOGY OF THE ABDOMEN
Meyers, M.A.
Springer-Verlag, 1976, $59.00

The main body of this work focuses on an anatomic and dynamic understanding for the radiologic diagnosis of many common and uncommon abdominal diseases.

FUNDAMENTALS OF ABDOMINAL AND PELVIC ULTRASONOGRAPHY
Leopold, George R.; Asher, W. Michael
W.B. Saunders Company, 1982, $28.00

FUNDAMENTALS OF ABDOMINAL SONOGRAPHY, A TEACHING APPROACH
Raymond, Howard W.
Grune and Stratton, Inc., 1979, $39.50

Provides a guide to the utilization of sonographic procedures in the overall diagnostic workup, together with an approach to the interpretation of the various types of abdominal sonograms.

PRACTICAL ABDOMINAL ULTRASOUND
Metreiveli, Constantine
Year Book Medical Publishers, 1979, $37.50

This handbook is a painless and practical introduction to the field of diagnostic ultrasound for the beginner in the field. It provides a progressive course in the basic techniques of image making and interpretation, with subjects arranged in order of complexity and clinical demand.

RADIOLOGY OF THE ABDOMEN: ANATOMIC BASIS
Whalen, Joseph P.
Lea and Febiger, 1976, $29.50

An approach to diagnostic radiology based on sectional anatomy, this book presents sections in adult and pediatric cadavers in horizontal, sagittal, and coronal planes.

REAL TIME ULTRASOUND IMAGING IN THE ABDOMEN
Skolnick, M.L.
Springer-Verlag, 1981, $38.50

ULTRASONOGRAPHY OF THE ABDOMEN
Hassani, N.
Springer-Verlag, 1976, $30.00

The text covers the essential principles of ultrasound physics in a straightforward and comprehensive manner.

ULTRASOUND OF THE PEDIATRIC ABDOMEN AND PELVIS: A CORRELATIVE IMAGING APPROACH
Kangerloo, Haoshang, et al.
Year Book Medical Publishers, 1980, $45.00

Presents a systematic application of ultrasound and other radiographic modalities to the practical understanding and diagnosis of intraabdominal diseases in children.

B. AUDIOVISUALS

ABDOMINAL ULTRASOUND: GU
Maklad, Nabil
American Institute of Ultrasound in Medicine
81-35 mm slides with audio cassette, $50.00

Ultrasound is clinically useful in evaluating renal masses, solid or cystic, in staging renal carcinoma, and in determining the cause of acute renal failure. Once a pre or post renal cause is diagnosed, ultrasound can be used to perform renal biopsy or for insertion of a percutaneous nephrotomy.

MODERN ABDOMINAL ULTRASOUND
Leopold, George R.
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $95.00

PEDIATRIC B-MODE ULTRASONOGRAPY: ABDOMINAL AND PELVIC
Shkolnik, Arnold
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $95.00

PEDIATRIC ULTRASOUND - PT. 1 - ABDOMINAL MASS
Haller; Friedman
Medcom Products
57 - 35 mm slides with audio cassette, $90.00

2. ANATOMY AND PHYSIOLOGY/EMBRYOLOGY

A. PUBLICATIONS

ANATOMY COLORING BOOK
Kapit
Harper and Row Publishers, 1977, $8.95

ANATOMY AND PHYSIOLOGY
Miller; Leavell
Macmillan Publishing Co., Inc., (17th Ed.), 1977, $25.95

ATLAS OF CLINICAL ANATOMY
Snell, R.S.
Little, Brown and Company, 1978, $32.50

ATLAS OF CROSS-SECTIONAL ANATOMY: COMPUTER TOMOGRAPHY, ULTRASOUND, RADIOGRAPHY, GROSS ANATOMY
Kieffer, Stephen A.; Heitzman, Robert E.
Harper and Row Publishers, 1979, $52.50

This atlas is a correlation of computed tomographic image and ultrasound image with identical anatomic cross-section, allowing exact identification and comparison of key soft tissue and bony structures.

BASIC ATLAS OF CROSS-SECTIONAL ANATOMY: A CLINICAL APPROACH
Bo; Meschan; Krueger
W.B. Saunders Company, 1980, $44.00

BASIC CLINICAL PHYSIOLOGY
Green, J.H.
Oxford University Press, Inc., (3rd Ed.), $16.50

For students of nursing and allied health professions, this introductory text relates the basic concepts of human physiology to clinical medicine and bridges the gap between pre-clinical and clinical subjects.

BASIC HUMAN PHYSIOLOGY: NORMAL FUNCTION AND MECHANISMS OF DISEASE
Greyton, Arthur C.
W.B. Saunders Company, (2nd Ed.), 1977, $22.50

CIBA COLLECTION OF MEDICAL ILLUSTRATIONS
Netter, Frank H.
CIBA Pharmaceutical Company
Vol. 1 - Nervous System, $28.50
Vol. 2 - Reproductive system, $38.00
Vol. 3 - Upper Digestive System, $31.00
Lower Digestive System, $33.00
Liver, Biliary, Pancreas, $29.00

Vol. 4 - Endocrine System, $38.00
Vol. 5 - Heart, $46.00
Vol. 6 - Kidney, $47.00
Vol. 7 - Respiratory System, $49.00
Entire set of 9 books, $325.00

CLINICAL ANATOMY FOR MEDICAL STUDENTS
Snell, R.S.
Little, Brown and Company, (2nd Ed.), 1981, $28.95

CLINICALLY ORIENTED ANATOMY
Moore, Keith
Williams and Wilkins Company, 1980, $34.50

This illustrated text covers the thorax, abdomen, perineum and pelvis, lower limb, back, upper limb, head, cranial nerves, and neck.

COLOR ATLAS OF HUMAN ANATOMY
McMinn, R.M.H.; Hutchings, R.T.
Year Book Medical Publishers, 1977, $34.95

COLOR ATLAS OF SECTIONAL ANATOMY: CHEST, ABDOMEN, AND PELVIS
Lyons, Edward A.
C.V. Mosley Company, 1978, out of print

This atlas represents a complete set of sections 1 cm. thick, and includes sagittal, transverse, and coronal sections of the neck, chest, abdomen, and pelvis as well as oblique views of the heart.

CROSS SECTIONAL ANATOMY: AN ATLAS FOR COMPUTED TOMOGRAPHY
Ledley, Robert Steven et al.
Williams and Wilkins Company, 1977, $19.95

CROSS-SECTIONAL ANATOMY: COMPUTED TOMOGRAPHY AND ULTRASOUND CORRELATION
Carter, Barbara L.
Appleton-Century-Crofts, 1977, $50.00

Presents the normal anatomy of each section as displayed on a CT scan, a gray-scale sonogram, and a radiograph of the cadaver slice. Contained also are anatomical drawings and additional views where variations of normal anatomy are common.

DEVELOPING HUMAN: CLINICALLY ORIENTED EMBRYOLOGY
Moore, K.L.
W.B. Saunders Company, (2nd Ed.), 1977, $13.95

This illustrated text presents a concise account of normal and abnormal human development, indicating the relevance of embryology to medicine and human biology.

GRANT'S ATLAS OF ANATOMY
Anderson, J.E.
Williams and Wilkins Company, (7th Ed.), 1978, $34.50

This latest edition follows the normal sequence of dissection and the illustrations include radiographs and arteriograms.

GRAY'S ANATOMY OF THE HUMAN BODY
Goss, Charles Mayo
Lea and Febiger, (29th Ed.), 1973, $32.50

Anatomy text that has been used in American schools for more than one hundred years.

GROSS ANATOMY DISSECTOR
Snell, R.S.
Little, Brown and Company, 1978, $12.95

The complement to Snell's Atlas of Clinical Anatomy, this dissecting manual is organized regionally, proceeding from the surface to progressively deeper structures.

HUMAN ANATOMY AND PHYSIOLOGY
Hale, John W., Jr.
Wm. C. Brown Company Publishers, 1981, $26.95

Translates classroom theory into professional practice for health science career students. Approach concentrates on the structure and function of the human body.

JOHNS HOPKINS ATLAS OF HUMAN FUNCTIONAL ANATOMY
Schlossberg, Leon; Zuidema, George
Johns Hopkins University Press, (2nd Ed.), 1980, $10.95 paper, $17.50 cloth

A guide to understanding the workings of the human body, its organs and systems. Contains 178 color illustrations.

SECTIONAL ANATOMY AND TOMOGRAPHY OF THE HEAD
Potter, Guy D.
Grune and Stratton, Inc., 1971, $94.00

STRUCTURE AND FUNCTION IN MAN
Jacob; Francone; Lassow
W.B. Saunders Company, (4th Ed.), 1978, $16.95

Designed for the beginning student. Physiology is stressed with emphasis on anatomy.

TEXTBOOK OF MEDICAL PHYSIOLOGY
Guyton, Arthur C.
W.B. Saunders Company, 1981, $37.50

Basic physiology plus medical applications are presented in a style the student and practitioner can readily understand.

3. BIOEFFECTS

A. PUBLICATIONS

AIRBORNE ULTRASOUND: MEASUREMENTS AND POSSIBLE ADVERSE EFFECTS

Bureau of Radiological Health
National Technical Information Service
PB 81/240/459, 1981, $7.00

BIOLOGICAL EFFECTS OF ULTRASOUND

Bureau of Radiological Health
Chapter in Obstetrical Technology
Young, D. (Ed.)
Haworth Press, 1982, $24.95

BIOMEDICAL ULTRASONICS

Wells, P.N.T.
Academic Press, 1977, $99.50

INTERACTION OF ULTRASOUND AND BIOLOGICAL TISSUES: PROCEEDINGS OF A CONFERENCE

Bureau of Radiological Health
National Technical Information Service, PB 220-143/AS, 1973, $25.50

Proceedings on the Workshop on the Interaction of Ultrasound and Biological Tissues. Proceedings examine the current state of knowledge in the field of ultrasound and define areas in which further work needs to be done. It is hoped that it will provide direct stimulus to the scientific community.

OVERVIEW OF ULTRASOUND: THEORY, MEASUREMENT, MEDICAL APPLICATIONS, AND BIOLOGICAL EFFECTS

Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-01500206-3, 1982, $6.00

This report will be of benefit to those who work in the field of ultrasound; the manufacturers of instrumentation; the health professionals who have developed the many valuable applications of this modality; and the scientists who continue to improve our understanding of the interactions and mechanisms of ultrasound with biological tissue.

PHYSICAL MECHANISMS FOR BIOLOGICAL EFFECTS OF ULTRASOUND

Bureau of Radiological Health
National Technical Information Service. PB 282-234/AS, 1978, $9.00

In this report, available information on the principles or mechanisms by which ultrasound produces changes in living systems is reviewed. A brief summary of the data on the effects of ultrasound on mammalian tissues is also present.

SYMPOSIUM ON BIOLOGICAL EFFECTS AND CHARACTERIZATIONS OF ULTRASOUND SOURCES

Bureau of Radiological Health
National Technical Information Service, PB 277-945/AS, 1978, $21.00

This is a compilation of papers presented at this Symposium. The Symposium was to provide a forum for scientific exchange and to provide for extramurally supported investigators to meet firsthand with the total Bureau of Radiological Health professional staff and exchange information.

WHO ENVIRONMENTAL HEALTH CRITERIA DOCUMENT FOR ULTRASONIC RADIATION

Bureau of Radiological Health
World Health Organization, 1982, Contact WHO for details

Provides some general information about physical characteristics of ultrasound and measurement methods, discusses some of the applications of ultrasound in the medical and nonmedical fields, reviews the reported effects of ultrasound on exposed biological systems, and outlines safe use guidelines as far as possible within the present state of knowledge.

4. CARDIOLOGY/VASCULATURE

A. PUBLICATIONS

ADVANCES IN NON-INVASIVE DIAGNOSTIC CARDIOLOGY
Kingsley; Benedict
Charles B. Slack, Inc., 1976, $40.00

Text covers diagnosis of heart disease, phonocardiography, ultrasonic cardiography, and heart function tests.

ATLAS OF PEDIATRIC ECHOCARDIOGRAPHY
Gutgesell, Howard P.; Paquet, Marc
Harper and Row Publishers, 1978, $25.00

This text expresses the feeling that echocardiography is a "visual art." It combines in one volume a collection of echocardiograms representing normal echocardiographic anatomy as well as a variety of cardiac disorders in children.

ATLAS OF PEDIATRIC TWO-DIMENSIONAL ECHOCARDIOGRAPHY
Duncan, Walter J.
Charles C. Thomas, Publisher, 1981, $19.75

CARDIAC ULTRASOUND
Gramiak, Raymond; Waag, Robert C.
C.V. Mosely Company, 1975, out of print

This volume explores the current state-of-the-art of ultrasonic examination of the heart.

CARDIAC ULTRASOUND WORKBOOK
Talano, James
Grune and Stratton, Inc., 1982, $19.50

This book describes the application and techniques of T-M mode and two dimensional echocardiography with text and illustrations.

CARDIOLOGY: A CLINICAL APPROACH
Vanden Belt, Ron J.; Ronan, J., Jr.; Bedynek, J., Jr.
Year Book Medical Publishers, 1979, $28.95

The fundamentals of clinical cardiology - covering history taking, physical examination, physiology, pathology and laboratory testing.

CARDIOLOGY FOR NURSES
Hurst, Willis J.; Wenger, Nanette K.; McIntyre, Mildred C.
McGraw-Hill Book Company, 1980, $33.95

CASE STUDIES IN ECHOCARDIOGRAPHY: A DIAGNOSTIC WORKBOOK
Clark, Ralph D.
W.B. Saunders Company, 1977, $22.00

This workbook teaches proper interpretation of M-mode echocardiography in adults. The importance of learning the numerous echopatterns seen in cardiac disease and the need to make accurate measurements and calculations from the echo is emphasized.

CEREBROVASCULAR EVALUATION WITH DOPPLER ULTRASOUND
Spencer, Merrill P.; Reid, John M.
Kluver Boston, Inc., 1980, $44.50

CLINICAL ECHOCARDIOGRAPHY
Kotler, Morris N.; Segal, Bernard L.
F.A. Davis Company, 1978, $35.00

This text provides detailed information on the training of physicians and technicians in echocardiography, as well as the correlation with electrocardiography and heart sounds and murmurs.

CLINICAL ECHOCARDIOGRAPHY
Nanda, Navin C.; Gramiak, Raymond
C.V. Mosby Company, 1978, $49.50

This text on clinical echocardiography reviews structures in the beam, describes normal tracing, and presents technical comments. Discussions explore pitfalls in echocardiographic assessment with emphasis on improper technique and misinterpretation of echocardiographic findings.

CROSS-SECTIONAL ECHOCARDIOGRAPHY
Weyman, Arthur E.
Lea and Febiger, 1982, $48.50

This book presents a comprehensive review of the historical development, physical principles, techniques and clinical applications of cross-sectional echocardiography.

DEDUCTIVE ECHOCARDIOGRAPHY CASE STUDIES
Kra; Schwartz
Medical Examination Publishing Co., Inc., 1981, $20.50

DIAGNOSTIC METHODS IN CARDIOLOGY
Fowler, Noble. O. (Ed.)
F.A. Davis Company, 1975, $35.00

DOPPLER ULTRASOUND IN CARDIOLOGY: PHYSICAL PRINCIPLES AND CLINICAL APPLICATIONS
Hatte, Liv; Angelsen, Bjorn
Lea and Febiger, 1982, $27.00

This text covers the physics of blood flow, principles of ultrasonic Doppler techniques, clinical application in cardiac diagnosis, aortic flow velocity and cardiac output, and a review of methods of spectral analysis useful for Doppler signal analysis.

ECHOCARDIOGRAPHIC DIAGNOSIS OF CONGENITAL HEART DISEASE
Williams, Roberta; Tucker, Charles
Little, Brown and Company, 1977, $28.50

ECHOCARDIOGRAPHIC INTERPRETATION
Abbasi, Abdul S.
Charles C. Thomas, Publisher, 1981, $49.75

ECHOCARDIOGRAPHY
Fiegenbarum, Harvey
Lea and Febiger, (3rd Ed.), 1981, $35.00

Instrumentation, technical aspects of application, and future trends of echocardiography, an integral part of clinical cardiology, are thoroughly discussed.

ECHOCARDIOGRAPHY IN CONGENITAL HEART DISEASE
Rune-Lundstrom, Nils (Ed.)
Lippincott/Harper, 1979, $30.00

This book covers instrumentation, examination, problems in interpretation, and variations in echocardiographic techniques. Particular sites of the heart and their related abnormalities, including techniques for each site, are discussed.

ECHOCARDIOGRAPHY: INTERPRETATION AND DIAGNOSIS
Kleid, Jack; Arvan, Stephan B.
Appleton-Century-Crofts, 1978, $39.50

Text encompasses every aspect of cardiovascular disease traceable through ultrasound techniques.

ECHOCARDIOGRAPHY: A TEACHING ATLAS
Felner, Joel M.; Achlant, Robert C.
Grune and Stratton, Inc., 1977, $59.50

This work is intended as a teaching atlas for novices, and as a compilation of echocardiograms with pertinent descriptions and references for the accomplished cardiologist.

ECHOCARDIOGRAPHY: TECHNIQUES AND INTERPRETATION

Chang, Sonia
Lea and Febiger, (2nd Ed.), 1981, $22.50

This text is directed toward important clinical findings, correct recording techniques, pitfalls and interpretation of the echographic patterns of motion - all supported by invasive procedures, catheterization, surgery, and necropsy.

ESSENTIALS OF ECHOCARDIOGRAPHY

Termini; Benedict; Lee, Yu-Chen
Medical Economics Company, 1976, $20.00

HEART

Hurst, J. Willis (Ed.)
McGraw-Hill Book Company, (5th Ed.), 1981, One Vol. $70.00, Two Vol. $82.00

Revised edition contains the most current, accurate, and useful information available in cardiovascular medicine.

HEART AND CORONARY ARTERIES: AN ANATOMICAL ATLAS

McAlpine, Wallace
Springer Verlag, 1975, $99.00

The basic aim of this atlas is to provide photographs of dissected, normal hearts for the study of the details and spatial disposition of anatomic structures.

INTRODUCTION TO ECHOCARDIOGRAPHY

McDonald, Ian G.
Charles C. Thomas, Publisher, 1976, photocopy $28.50

This book provides a succint account of the principles and applications of echocardiography.

INTRODUCTION TO PERIPHERAL VASCULAR DISEASE: A STUDENT SYLLABUS

Barnes, Robert W.
Medical College of Virginia, 1980, $15.00

This syllabus covers the vascular history, the physical examination, diagnostic procedures and management of common disorders of the peripheral arterial, cerebrovascular, venous and lymphatic systems.

INTRODUCTION TO VASCULAR ULTRASONOGRAPHY

Zwiebel, W.
Academic Press, 1982, $49.50

This volume deals with vascular anatomy and the pathogenesis of disease states as well as ultrasonic diagnosis of those states.

MANUAL OF ECHOCARDIOGRAPHIC TECHNIQUES
Phillips, Betty J.
W.B. Saunders Company, 1980, $24.95

NON-INVASIVE CARDIAC DIAGNOSIS
Chung, Edward K.
Lea and Febiger, 1976, $18.00

Discusses all aspects of commonly used non-invasive diagnostic methods for frequently encountered cardiovascular disorders.

NON-INVASIVE CARDIOVASCULAR DIAGNOSIS
Diethrich, Edward B.
Wright Publishing Science Group, (2nd Ed.), 1981, $59.50

Embracing all areas of cardiovascular diagnosis, this text focuses mainly on such areas as echocardiography, oculoplethysmography, phonoangiography, phonocardiography, vectorcardiography, excercise electrocardiography, radionuclide angiography, and scintigraphy.

NON-INVASIVE DIAGNOSTIC TECHNIQUES IN PERIPHERAL VASCULAR DISEASE
Barnes, Robert W.
Medical College of Virginia, 1980, $50.00

This syllabus reviews the principles, interpretations, application, advantages and limitations of noninvasive vascular diagnostic techniques.

NONINVASIVE DIAGNOSTIC TECHNIQUES IN VASCULAR DISEASES
Bernstein, Eugene F.
C.V. Mosely Company, (2nd Ed.), 1981, $74.50

In this book, contributors examine current developments in methodology, instrumentation, and available data for noninvasive vascular diagnostic studies, discussing the real-time, oculoplethysmography, the periorbital Doppler test and other key topics.

NON-INVASIVE METHODS IN CARDIOLOGY
Zoneraich, Samuel
Charles C. Thomas, Publisher, 1975, $59.75

NONINVASIVE PERIPHERAL VASCULAR LABORATORY: A MANUAL OF DIAGNOSTIC TECHNIQUES
Nix, M. Lee; Barnes, Robert W.
Medical College of Virginia, 1980, $50.00

This manual provides step-by-step pictorial description of laboratory methods to evaluate peripheral arterial, cerebrovascular and venous disease.

NON-INVASIVE TECHNIQUES IN CARDIOLOGY
Benchimol, Alberto
John Wiley and Sons, Inc., 1978, $30.00

A concise, clearly-presented working handbook for all who are interested in the technical aspects of non-invasive diagnosis in cardiology.

PEDIATRIC ECHOCARDIOGRAPHY
Meyer, Richard A.
Lea and Febiger, 1977, $20.50

This book provides the echocardiographer with an in-depth approach to the evaluation of both congenital and acquired cardiac disease in patients from the newborn period to adulthood.

PEDIATRIC ECHOCARDIOGRAPHY - CROSS-SECTIONAL, M-MODE, AND DOPPLER
Rune-Lundstrom, Nils (Ed.)
Elsevier North Holland, Inc., 1980, $69.00

PEDIATRICS AND ADOLESCENT ECHOCARDIOGRAPHY
Goldberg, Stanley J; Allen, Hugh D.; Sahn, David J.
Year Book Medical Publishers, 1980, $39.50

This comprehensive handbook includes the latest in M-Mode, echo Doppler, contrast echo cardiography, and more.

PHYSIOLOGY OF THE HEART AND CIRCULATION
Little, Robert C.
Year Book Medical Publishers, 1977, $16.95

PRINCIPLES OF CLINICAL ELECTROCARDIOGRAPHY
Golman
Lange Medical Publications, (10th Ed.), 1979, $12.00

READING EKG'S CORRECTLY
Van Meter, Margaret; Lavine, Peter
Inter Med Communications, Inc., 1977, $11.95

TWO DIMENSIONAL ECHOCARDIOGRAPHY
Kisslo, Joseph
Churchill Livingstone, Inc., 1980, $20.50 (Vol. 4 of Clinics in Diagnostic Ultrasound)

This volume covers a wide range of cardiac disorders, with practical consideration of the standard methods and variability of echocardiographic measurements. Results obtained are compared with those obtained by standard radiographic methods.

ULTRASOUND IN THE DIAGNOSIS OF CARDIOVASCULAR-PULMONARY DISEASE
Joyner, Claude R.
Year Book Medical Publishers, 1974, out of print

WORKBOOK OF PEDIATRIC ECHOCARDIOGRAPHY
Allen, Hugh D.
Year Book Medical Publishers, 1978, $18.95

B. AUDIOVISUALS

DOPPLER INSTRUMENTATION AND PRINCIPLES
Ziskin, Marvin C.
American Institute of Ultrasound in Medicine
35 mm slides with audio cassette, $50.00

Provides a basic understanding of the principles and practices of Doppler ultrasound in medicine.

DOPPLER ULTRASONIC EVALUATION OF CAROTID VELOCITY SIGNALS: AN AUDIO INSTRUCTION
Rittgers, Stanley E.; Barnes, Robert W.
Medical College of Virginia
Manual with tape recording, $35.00

Illustrated manual accompanies recording of normal direct carotid Doppler flow signals and abnormal sounds from patients with angiographically-correlated carotid stenoses or occlusions.

ECHOCARDIOGRAPHIC ASSESSMENT OF CONGENITAL AND ACQUIRED HEART DISEASE IN CHILDREN
Children's Hospital of San Diego
35 mm slides, contact hospital for details

ECHOCARDIOGRAPHY
Gramiack, Raymond
Radiological Society of North America, Inc.
65 - 35 mm slides, $70.00
(Contact company for other forthcoming audiovisuals on ultrasound)

Exhibiting actual case examples of normal and abnormal echocardiograms.

ECHOCARDIOGRAPHY IN ADULT HEART DISEASE
Merck, Sharp and Dohme
16 mm film, free loan

ECHOCARDIOGRAPHY IN PEDIATRIC PATIENTS: PRACTICAL APPLICATIONS
Meyer, Richard
American Institute of Ultrasound in Medicine
45 - 35 mm slides with audio cassette, $40.00

Multiple congenital cardiac anomalies in childhood are illustrated with high quality ultrasound images and correlated with anatomic diagrams of the lesions.

ECHO AND OTHER METHODS OF STUDY IN CLINICAL CARDIOLOGY
Joyner, Claude R.
American Institute of Ultrasound in Medicine
81 - 35 mm slides with audio cassette, $60.00

The comparative value of echo, x ray, angiography, radionuclide, Doppler, and computed tomography for analyzing a variety of cardiac conditions is presented.

EVALUATION OF AORTIC VALUE DISEASE BY TWO DIMENSIONAL ECHOCARDIOGRAPHY
Henry, Walter
American Institute of Ultrasound in Medicine
54 - 35 mm slides with audio cassette, $50.00

Two-dimensional echocardiography is compared with the standard M-Mode technique and the value of each technique in aortic valvular disease is discussed.

HEART: EXTERNAL TESTS
Concept Media
3/4" color filmstrip, $98.00

MARK 300 ECHOCARDIOGRAPH - ATL
PULSED DOPPLER - ATL
PULSED ECHO - ATL
REAL TIME ECHOCARDIOGRAPHY (VARIAN V3000 ULTRASONOGRAPH)
Dellegar, W.E.
Grossmont College
3/4" videotapes, small fee for rental or reproduction

PERIPHERAL VASCULAR DISEASE
Strondness, D. Eugene, Jr.
American Institute of Ultrasound in Medicine
35 - 35 mm slides with audio cassette, $60.00

The technique of continuous wave Doppler ultrasound for peripheral measurement of systolic blood pressure is presented. Various velocity flow patterns associated with stenosis and occlusive vascular disease are illustrated.

PRINCIPLES OF REAL-TIME CARDIAC IMAGING

Kremkau, Frederick W.
American Institute of Ultrasound in Medicine
27 - 35 mm slides with audio cassette, $50.00

The basic principles of A-mode, M-mode, 2-D real time and Doppler Ultrasound are presented. Transducers, displays and other instruments necessary for cardiac imaging are related.

SONOGRAPHIC EVALUATION OF CAROTID ARTERIES

Crittenden, Joseph J., Jr.
American Institute of Ultrasound in Medicine
57 - 35 mm slides with audio cassette, $50.00

Reviews the principles upon which the ultrasonic recognition of altered flow through vessels can be diagnosed. The effect of lumen size on flow rates and mathematical derivation of a significant change are included.

TRICUSPID AND PULMONIC VALVE DISEASE: TWO DIMENSIONAL ECHOCARDIOGRAPHY

Schiller, Nelson B.
American Institute of Ultrasound in Medicine
62 - 35 mm slides with audio cassette, $50.00

The various echographic approaches to the examination of the right heart are discussed and illustrated.

5. COMPUTER SCIENCE AND MATHEMATICS

A. PUBLICATIONS

BASIC STATISTICS FOR NURSES
Knapp, Rebecca
John Wiley and Sons, Inc., 1978, $12.95

A simple, basic introductory statistics text for nurses and nursing students, including those learning the subject in non-nursing undergraduate courses.

BIOMEDICAL COMPUTING
Perkins, W.J.
University Park Press, 1977, $39.50

Presents a thorough appraisal of the current state of biomedical computing, an assessment of future trends, and evaluations of specific clinical applications of computer science.

COMPUTER AND MEDICAL CARE
Lindberg, Donald
Charles C. Thomas, Publisher, 1971, $16.25

COMPUTER TECHNIQUES IN CARDIOLOGY
Cady, Lee D., Jr.
Marcell Dekker, Inc., 1979, $45.00

Offers in a single source a broad introduction to the principles, methods, and techniques employed in the application of computers to the field of cardiology.

COMPUTER TECHNOLOGY IN THE HEALTH SCIENCES
Sheris, David B.
Charles C. Thomas, Publisher, 1974, $13.75

COMPUTERS IN MEDICINE - AN INTRODUCTION
Enlander, Derek
C.V. Mosby Company, 1980, $14.95

Introduction to the medical uses of computer systems. It begins with historical background, outlines basic concepts of computer programming, and concludes with a checklist of computer hardware.

COMPUTERS IN ULTRASONIC DIAGNOSTICS (MEDICAL COMPUTING SERIES)
Wells, Peter, N.T.; Woodcock, J.P.
John Wiley and Sons, Inc., 1977, $33.25

Examines the acquisition, computation, and display of ultrasonic data in medicine.

FUNDAMENTAL MATHEMATICS
Wade, Thomas L.; Taylor, Howard E.
McGraw-Hill Book Company, (4th Ed.), 1974, $17.95

Freshman-level text leads from study of the basic structures of arithmetic and algebra to functions, graphs, logarithms, and elements of trigonometry and statistics.

HANDBOOK OF PHYSICAL CALCULATIONS
Tuma, Jan L.
McGraw-Hill Book Company, 1975, $21.50

Concise summary of major definitions, formulas, tables, and examples of elementary and intermediate technological physics for practicing engineers and technologists.

MATHEMATICS FOR TECHNOLOGISTS IN RADIOLOGY, NUCLEAR MEDICINE AND RADIATION THERAPY
Stefani; Hubbard
C.V. Mosby Company, 1979, $14.95

Explains and illustrates the mathematics needed by radiologic technologists. The authors weave basic principles into challenging problems on x-ray equipment, techniques, radiation, and drug dosage.

MEDICAL MATHEMATICS
Taylor, Thomas J.
Bobbs-Merrill Co., Inc., 1975, $4.55

Presents a progressive development of the mathematical skills needed by allied health personnel. Combines the conventional math approach with features of "New Math." Emphasis is on the special needs of technicians in the health fields.

MICROCOMPUTERS/MICROPROCESSORS: HARDWARE, SOFTWARE AND APPLICATIONS
Hilburn, J.F.; Julick, P.M.
Prentice Hall, Inc., 1976, $23.95

PRACTICAL MATHEMATICS IN ALLIED HEALTH
Waterhouse, Marion
Urban Schwartzenberg, 1979, $15.95

A textbook for the medical disciplines.

B. AUDIOVISUALS

INTRODUCTION TO COMPUTERS

Polcyn, Robert E.
Society of Nuclear Medicine, Chicago address
Educational Program - slide tape format, $50.00 SNM members, $60.00 nonmembers

This audiovisual provides the viewer with an introduction to computer design, function, and operation. Some computer terminology is also defined.

PRACTICAL STATISTICS

Beckman Instruments, Inc.
68 - 35 mm slides/sound and transcript, Order No. 91-000-80-00, $145.00

Discusses sampling technique, graphic presentation of data, systematic and random errors, accuracy, and precision.

6. DIAGNOSTIC ULTRASOUND

A. PUBLICATIONS

ATLAS OF ESSENTIAL ULTRASOUND IMAGING
Omoto, R.; Kobayaski, Mitsumao
Sgaku-Shoin Medical Publications, 1981, $35.00

ATLAS OF GRAY SCALE ULTRASONOGRAPHY
Taylor, Kenneth J.W.
Churchill Livingstone Inc., 1978, $38.50

Atlas includes a collection of 219 examples of normal and abnormal conditions, extensively covering the uses and techniques of gray scale ultrasonography. A thorough discussion of instrumentation and acoustic physics, machine settings, scanning techniques, and patient preparation is present.

BIOMEDICAL ULTRASONICS
Wells, Peter N.T.
Academic Press, 1977, $97.50

Includes such chapters as Radiation, Scattering by Biological Materials, Pulse-Echo Methods, and Doppler Methods.

CASES IN DIAGNOSTIC ULTRASOUND, VOLUME 1
Leopold, George R.
John Wiley and Sons, Inc., 1980, $33.50

An annual publication based on the proceedings of the Los Angeles Radiological Society Spring Ultrasound Workshop. Each individual case details the history, illustrated findings, diagnosis, and references.

CASE STUDIES IN ULTRASOUND
Bartrum, Royal J.; Crow, Harte C.
W.B. Saunders Company, 1979, $27.50

This text provides differential diagnostic scans of every disease entity. Each case includes a paragraph of clinical information, figures, and a section on diagnosis.

CASE STUDIES IN ULTRASOUND
Finburg
Churchill Livingstone Inc., 1981, $22.00
(Vol. 9 of Clinics in Diagnostic Ultrasound)

CLINICAL ULTRASOUND REVIEW
Winsberg, Fred
John Wiley and Sons, Inc., 1981, Vol. 1 $50.00, Vol. 2 $57.50

The first in an annual review serial, this volume presents abstracts of outstanding international journal literature in diagnostic ultrasound published during 1979.

DIAGNOSTIC IMAGING IN RENAL DISEASE
Rosenfield; Glickman; Hodson (Eds.)
Appleton-Century-Crofts, 1979, $37.50

This work guides radiologists, nephrologists, and urologists in obtaining the appropriate modality for accurate diagnosis.

DIAGNOSTIC ULTRASONICS - PRINCIPLES AND USE OF INSTRUMENTS
McDicken, William N.
John Wiley and Sons, Inc., (2nd Ed.), 1981, $44.00

Describes the basic principles of diagnostic ultrasonic instruments and discusses the methods of use and the limitations of each instrument. Updated edition includes such advances as: real-time ultrasonic imaging; digital scan converters and computer processing; and pulsed Doppler blood flow instruments.

DIAGNOSTIC ULTRASOUND
Gosink, Barbara B.; Squire, Lucy F.
W.B. Saunders Company, (2nd Ed.), 1981, $15.95

This new edition, revised to reflect recent changes in technology, covers all of the common clinical uses of ultrasound, discussing its relative advantages as compared to computed tomography in appropriate cases.

DIAGNOSTIC ULTRASOUND
King, Donald L. (Ed.)
C.V. Mosby Company, 1974, out of print

Recognized authorities examine the expanding role of diagnostic ultrasound, from an historical perspective to present day uses. Rationale, techniques and procedures for various tests are outlined, along with the clinical safety of ultrasound and its biological effect on humans.

DIAGNOSTIC ULTRASOUND CASE STUDIES
Kovac; Geshner
Medical Examination Publishing Co., Inc., 1981, $21.50

DIAGNOSTIC ULTRASOUND IN CLINICAL MEDICINE
Goldberg, Barry G.
Medcom Press, 1973, out of print

DIAGNOSTIC ULTRASOUND IN GASTROINTESTINAL DISEASES
Taylor, Kenneth J.W. (Ed)
Churchill Livingstone Inc., 1979, $20.50
(Vol. 1 of Clinics in Diagnostic Ultrasound)

Chapters discuss the role of ultrasound in liver diseases, pancreatic diseases, diseases of the biliary tree, the diagnosis of gallstones, and ultrasonically guided percutaneous aspiration and biopsy procedures. Clinical cases present the reader with the opportunity to make a diagnosis and assess what has been learned.

DIAGNOSTIC ULTRASOUND IN NEUROLOGY - METHODS AND TECHNIQUES
Tenner, Michael S.; Wadraska, Georgina
John Wiley and Sons, Inc., 1975, out of print

DIAGNOSTIC ULTRASOUND: PHYSICAL PRINCIPLES AND EXERCISES
Kremkau, Frederick W.
Grune and Stratton, Inc., 1980, $19.50

This text is designed for sonographers and physicians who require a basic knowledge in acoustics and instrumentation in diagnostic ultrasound. Over 450 problems are provided to check progress, strengthen concepts, and provide practice for registry and specialty board examinations.

DIAGNOSTIC ULTRASOUND: A REVIEW OF CLINICAL APPLICATIONS AND THE STATE OF THE ART OF COMMERCIAL AND EXPERIMENTAL SYSTEMS
Bureau of Radiological Health
National Technical Information Service, PB 258-237/AS, 1976, $10.50

This report provides an overview of the current status of diagnostic ultrasound including estimates of the market size and the extent of clinical application and descriptions of training opportunities and professional societies.

DIAGNOSTIC ULTRASOUND: TEXT AND CASES
Sarti, Dennis A.; Sample, Fred W.
G.K. Hall and Company, 1979, $79.50

DIAGNOSTIC USES OF ULTRASOUND
Goldberg, Barry G. (Ed.)
Grune and Stratton, Inc., 1975, $59.50

Providing a working knowledge of the principles of ultrasound and its applications and limitations, this text focuses on how, in which patients, and to what degree the ultrasonic techniques now available can contribute to effective patient care.

ESSENTIALS OF MEDICAL ULTRASOUND
A PRACTICAL INTRODUCTION TO THE PRINCIPLES, TECHNIQUES, AND BIOMEDICAL APPLICATIONS
Repacholi, Michael H.; Benwell, Deirdre A. (Eds.)
The Humana Press, Inc., 1982, $49.50

FUNDAMENTALS OF MEDICAL ULTRASONOGRAPHY
Baum, G. (Ed.)
G.P. Putman and Sons, 1975, out of print

GENITOURINARY ULTRASONOGRAPHY
Rosenfield, Arthur (Ed.)
Churchill Livingstone Inc., 1979, $22.00
(Vol. 2 of Clinics in Diagnostic Ultrasound)

The latest applications of ultrasound in the evaluation of the urinary tract and the gynecologic patient are examined in this volume. The complimentary role of ultrasound in relation to other uroradiologic techniques is demonstrated.

GRAY-SCALE ULTRASOUND: A MANUAL FOR PHYSICIANS AND TECHNICAL PERSONNEL
Bartrum, Royal J.; Crow, Harte C.
W.B. Saunders Company, 1977, $18.95

INTRODUCTION TO DIAGNOSTIC SONOGRAPHY
Fleischer, Arthur C.; Everette, James A., Jr.
John Wiley and Sons, Inc., 1980, $35.00

Highlights all of the major clinical applications of diagnostic sonography in each major field. Differential sonographic features are summarized in tables, and hundreds of illustrations demonstrate specific diagnostic entities. Discussions also cover biophysical and instrumentation aspects and comparisons to other diagnostic modalities.

INTRODUCTION TO DIAGNOSTIC ULTRASOUND
Love, Michael B.
Charles C. Thomas, Publisher, 1981, $18.75

MANUAL OF ULTRASONOGRAPHY
Taylor, Kenneth J.W.; Jacobson, Paula
Churchill Livingstone Inc., 1980, $22.50

Designed as a companion to Taylor's Atlas of Gray Scale Ultrasonography, this manual focuses on technique and application to aid the technician in obtaining and interpreting high quality scans. Emphasis is on normal anatomy, with a minimum of pathology for illustrative purposes.

MEDICAL ULTRASOUND
Society of Diagnostic Medical Sonographers
John Wiley and Sons, Inc., 1982, $28.00

NEW TECNIQUES AND INSTRUMENTATION IN ULTRASONOGRAPHY
Wells, Peter N.T.; Ziskin, Marvin
Churchill Livingstone Inc., 1980, $20.50
(Vol. 5 of Clinics in Diagnostic Ultrasound)

An up-to-date review of new techniques and instrumentation which are of direct relevance to clinicians practicing in diagnostic ultrasound.

OPERATIVE ULTRASONOGRAPHY
Sigel, Bernard
Lea and Febiger, 1982, $20.00

This is a new book which acquaints the surgeon with the basics of imaging ultrasound. Emphasis is on its application in detecting and localizing structures so that tissue dissection and the need for radiography may be reduced.

REAL TIME MEDICAL IMAGE PROCESSING
Onoe, Morio, et al.
Plenum Publishing, 1980, $35.00

REAL TIME/PARALLEL COMPUTING: IMAGE ANALYSIS
Onoe, Mario, et al.
Plenum Publishing, 1981, $45.00

Both books by Onoe et al. are based on proceedings of part of the Japan-U.S. Seminars on Research Toward Real-Time Parallel Image Analysis and Recognition, held in Tokyo, Japan, October 31-November 4, 1978. Two volume set, $72.50

RECENT ADVANCES IN DIAGNOSTIC ULTRASOUND
Rand, Elias
Charles C. Thomas, Publisher, 1971, out of print

SEEING WITH SOUND
American College of Radiology
Members: $14.95 per 500; $27.95 per 1000; $135.00 per 5000; $250.00 per 10,000
Non-members: $ .04 each

Illustrated pamphlet describes the principles of ultrasound and how it is used to detect disease. Explains the safety and comfort of the procedure, the advantages of real-time sonography, and the kinds of information ultrasound provides the physician.

SOCIETY OF DIAGNOSTIC MEDICAL SONOGRAPHERS EDUCATIONAL OUTLINES, VOL. I-IV
Members of the Society of Diagnostic Medical Sonographers, the American Society of Echocardiographers, and the American Institute of Ultrasound in Medicine: $25.00 per set, $8.00 per volume
Non-members: $40.00 per set, $15.00 per volume

TEXTBOOK OF DIAGNOSTIC ULTRASONOGRAPHY
Hagen-Answert, Sandra L.
C.V. Mosby Company, 1978, $49.50

This book is a comprehensive text on fundamentals, techniques, and clinical applications of heart, abdomen, and pelvis scanning. The author emphasizes anatomy, physiology, pathology, and ultrasonic techniques and patterns.

THINKER'S GUIDE TO ULTRASONIC IMAGING
Powis, R.L.; Powis, W.J.
Urban Schwartzenberg, 1982, $32.50

Includes such chapters as: Inner Workings of the Ultrasound Machine; the Basic Character of Ultrasound; Wave and Wave analysis; Basic Internal Organization of the B-Scanner; Exacting Information from Ultrasound Images; Reading Resolution out of the Images.

ULTRASONICALLY GUIDED PUNCTURE TECHNIQUE
Holm, H.H.; Kristensen, J.K.
W.B. Saunders Company, 1981, $37.50

This volume thoroughly covers the various percutaneous puncture techniques that are ultrasonically guided including amniocentesis, fine needle aspiration biopsy, and percutaneous transhepatic portography.

ULTRASONIC IMAGING AND HOLOGRAPHY: MEDICAL, SONAR, AND OPTICAL APPLICATIONS
Stroke, George W. (Ed.)
Plenum Publishing, 1974, $49.50

Proceedings on the U.S.-Japan Science Cooperation Seminar on Pattern Information Processing in Ultrasonic Imaging, held at the University of Hawaii, Honolulu, January 7-13, 1973.

ULTRASONIC IMAGING: SEEING WITH SOUND
Greguss, P.
Focal Press, Inc., 1980, $37.50

ULTRASONICS
Cracknell, A.P.; Clark, J.L.
Crane Russak and Company, Inc., 1980, $15.95

ULTRASONICS
Woodcock, John P.
Heyden and Son, Inc., 1979, $29.50

ULTRASONICS IN CLINICAL DIAGNOSIS
Wells, Peter N.T.
Churchill Livingstone Inc., (2nd Ed.), 1978, $20.00

ULTRASONICS AS A MEDICAL DIAGNOSTIC TOOL
DiStasio, J.I.
Noyes Data Corporation, 1980, $32.00

Chapters include: principles and application; computer-assisted ultrasonic tomography; tissue scanning: burn depth determination; cardiology: quantification of myocardial damage; and imaging of the brain: attenuation by the skull.

ULTRASONICS IN MEDICINE
Kazner, E., et al.
Elsevier North Holland, Inc., 1976, $63.50

ULTRASONICS: METHODS AND APPLICATIONS
Blitz, Jack
Van Nostrand, D., Co., 1971, out of print

ULTRASONOGRAPHY: BASIC PRINCIPLES AND CLINICAL APPLICATIONS
Brown, Ross E.
Warren H. Green Publishers, Inc., (2nd Ed.), 1980, $28.50

This work brings together, in an easily understandable fashion, the many uses of ultrasound and includes descriptive sections on technique, procedures, and interpretation.

ULTRASONOGRAPHY OF DIGESTIVE DISEASES
Weill, Francis S.
C.V. Mosby Company, (2nd Ed.), 1982, $69.50

Sections on technology, the liver, biliary tract, pancreas, and spleen each contain chapters on echoanatomy reviewing examination techniques; normal and abnormal anatomy; shape, contours, and structures; tissular echopattern; echoanatomic relations; normality criteria; special technical conditions; errors and pitfalls.

ULTRASOUND IN BIOMEDICINE
White, Dennis
Pergamon Press, 1981, $100.00

ULTRASOUND IN CANCER
Goldberg, Barry B.
Churchill Livingstone Inc., 1980, $20.50
(Vol 6 of Clinics in Diagnostic Ultrasound)

This volume discusses cancer of the liver, gallbladder and bile ducts, pancreas, kidney, breast and eye, lymphomas, retroperitoneal cancer, gynecologic cancer, pediatric tumors, small parts scanning, treatment planning, and therapeutic use of ultrasound in cancer.

ULTRASOUND IN EMERGENCY MEDICINE
Taylor, Kenneth J.W.; Visconic, Gregory N.
Churchill Livingstone Inc., 1981, $22.00
(Vol. 7 of Clinics in Diagnostic Ultrasound)

Chapters cover such emergencies as: abdominal trauma; acute renal failure; pulsatile epigastric masses; obstetrical and gynecological emergencies; intra-abdominal and pelvic abscesses; and neonatal intracranial emergencies.

ULTRASOUND IN MEDICINE
White, Dennis; Brown, Ross E.
Plenum Publishing, 1976, Vol 1. $65.00, Vol. 2 $55.00, Vol. 3a $90.00, Vol. 3b $90.00, Vol. 4 $69.50

ULTRASOUND IN MEDICINE AND BIOLOGY
Wagai, Toshio; Omoto, Ryozo
Elsevier North Holland, Inc., 1979, $70.00

ULTRASOUND IN TUMOR DIAGNOSIS
Hill, C.R.; Cosgrove, D.O.; McCready, V.R. (Eds.)
Year Book Medical Publishers, 1979, $39.00

This book documents the existing established applications of ultrasound imaging technology in cancer management and points the way to some of the likely future developments in the field.

ULTRASOUND IN UROLOGY
Resnick, Martin I.; Sanders, Roger C.
Williams and Wilkins Company, 1979, $37.95

This concise summary of the practical applications of ultrasound in urology covers the basic principles of ultrasound physics, ultrasonic appearances of genitourinary tract disorders, and specific uses of ultrasonics.

USER'S GUIDE TO DIAGNOSTIC ULTRASOUND
Shirley, Isabel M.; Blackwell,, Ronald J.; Cusick, Geoffrey
University Park Press, 1978, $19.95

This textbook familiarizes newcomers to the field of diagnostic ultrasound with the essential physical properties of the technique.

WHO'S AFRAID OF A HUNDRED MILLIWATTS PER SQUARE CENTIMETER (100MW/CM^2 SPTA)?
American Institute of Ultrasound in Medicine, 1981, AIUM Members: $2.00 each, $22.50 per 100
Non-members: $4.00 each, $45.00 per 100

Section I of this pamphlet on ultrasound safety defines the acoustic parameters of diagnostic ultrasound and Section II covers present knowledge on the biological effects of ultrasound.

YOUR DIAGNOSTIC ULTRASOUND EXAMINATION
American Institute of Ultrasound in Medicine, 1981, AIUM Member: $1.00 each, $15.00 per 100
Non-member: $2.00 each, $30.00 per 100

This pamphlet serves to answer patient's questions about diagnostic ultrasound.

B. AUDIOVISUALS

BRAIN: ELECTROENCEPHALOGY, ECHOENCEPHALOGRAPHY, SCANNING

Concept Media
3/4" color filmstrip, $98.00

DIAGNOSTIC ULTRASOUND VIDEOTAPE SERIES

San Diego Radiology Research and Education Foundation
1/2" or 3/4" videotapes, Rental: $40.00 per tape (2 or more), $350.00 per series (10 tapes), Purchase: $150.00 per tape

SERIES I, 1979

Basic Principles of Diagnostic Ultrasound, Gosink
Normal Cross-Sectional Anatomy, Leopold
When to Use Ultrasound First, Scheible
Ultrasound or Oral Cholecystography, Gosink
Jaundice: The Ultrasound Approach, Gosink
Ultrasound of the Pancreas, Gosink
Ultrasound of the GU Tract, Scheible
Gynecologic Ultrasound, Leopold
Fetal Abnormalities, Leopold
Scanning the Neck and Other Superficial Structures, Leopold

SERIES II, 1982

Instrumentation - What You Really Need to Know, Forsythe
The Female Pelvis: Cyclic Changes, Gosink
Real-time Ultrasonography, Leopold
Liver Parenchymal Disease, Gosink
Abdominal Abscess: An Imaging Approach, Scheible
Segmental Anatomy of the Biliary Tract, Leopold
Ultrasonography in Pediatrics, Scheible
Percutaneous Biopsy by CT or Ultrasound Guidance, van Sonnenberg
Ultrasound Mammography, Leopold
Percutaneous Drainage of Abdominal Abscesses and Fluid Collections, van Sonnenberg

GRAY SCALE ULTRASONOGRAPHY

Goldberg
Medcom Products
100 - 35 mm slides with audio cassette, $120.00

IN-SERVICE REVIEWS IN ULTRASOUND TECHNOLOGY

Educational Reviews, Inc.
Each year 12 orders are sent to subscribers - Vol. 1 1980, Vol. 2 1981, Vol 3 1982
Individual order includes tape, study guide and index. Department order includes tape, instructor's guide, and 5 booklets.
Price per year: $120.00 individual, $150.00 department
Price of back issues: $100.00 individual, $130.00 department

VOLUME I:
Physics - Ultrasound; Physics - Ultrasound 2; Introduction to Female Reproduction; Pelvic Anatomy; Embryology; Placenta; Amniotic Fluid, 1st Trimester of Pregnancy; 2nd Trimester of Pregnancy; Congenital Anomalies; Vascular Sonography; Liver and Gallbladder.

VOLUME 2:
Hepatic Sonograph II; Cholecystosonography; Pancreatic Sonography, Parts I and II; The Urinary System, Parts I-III; Adrenal and Splenic Sonography; Thyroid Sonography; Pelvic Sonography Update; Real Time and CT Imaging, Complements and Controversies; Obstetrical Sonography Update and Biopsy and Interventional Techniques with Ultrasound Assistance.

VOLUME 3:
Neonatal Intracranial Sonography and Tricks of the Trade: A Sonographer's Point of View.

INTERVENTIONAL ULTRASOUND ASPIRATION BIOPSY

Merritt, Christopher R.B.
American Institute of Ultrasound in Medicine
62 - 35 mm slides with audio cassette, $50.00

This program discusses the advantages and complications of ultrasonically guided aspiration biopsy. Equipment, procedure, and technique illustrations are presented along with specific study case examples.

PANCREAS AND RETROPERITONEAL SONOGRAPHY

Bartrum, Royal J., Jr.
American Institute of Ultrasound in Medicine
68 - 35 mm slides with audio cassette, $50.00

This audiovisual describes scanning techniques for the pancreas, pancreatic duct, adrenal, and lymph nodes surrounding the aorta.

PANCREAS AND RETROPERITONEUM

Fleisher, Arthur C.
American Institute of Ultrasound in Medicine
75 - 35 mm slides with audio cassette, $50.00

The sonographic features of acute and chronic pancreatitis, pseudocysts, pancreatic tumors and retroperitoneal tumors are presented and contrasted relative to computed tomography and other imaging modalities.

PELVIC MASSES

Goldberg, Barry B.
American Institute of Ultrasound in Medicine
82 - 35 mm slides with audio cassette, $60.00

The importance of ultrasonic images for visualization of the pelvis is emphasized. Procedures for localizing and differentiating pelvic masses are discussed. The program points out how some characteristic patterns lead to specific diagnosis and that correlating clinical findings with patient history is necessary.

PROSTATIC SCANNING: NEW APPROACHES

Brown, Ross E.
American Institute of Ultrasound in Medicine
62 - 35 mm slides with audio cassette, $50.00

The anatomy of the prostate is presented, along with its pathology, which includes inflammation, benign enlargement and carcinoma. The clinical significance of carcinoma is emphasized in relation to its stage at diagnosis. Methods to examine the prostate ultrasongraphically are discussed and illustrated.

PULSED ECHO - ATL

Dellegar, W.E.
Grossmont College
3/4" videotape, small fee for rental or reproduction

REAL TIME IN CLINICAL DIAGNOSIS

Carlsen, Ernest N.
American Institute of Ultrasound in Medicine
48 - 35 mm slides with audio cassette, $50.00

Illustrations of the role of real time ultrasound imaging with current state-of-the-art resolution point out the increasing benefit of this modality. Types of equipment are reviewed, citing their advantages and limitations.

RENAL SONOGRAPHY

Fleischer, Arthur C.
American Institute of Ultrasound in Medicine
79 - 35 mm slides with audio cassette, $50.00

This program covers normal sonographic anatomy of the kidney, perirenal space, and renal mass; the use of renal sonography relative to excretory urography, angiography, CT and radionuclide renography; and sonographic evaluation of the poorly functioning kidney, renal transplants and congenital anomalies.

RENAL SONOGRAPHY: PARENCHYMAL CHANGES AND MASSES

Bartrum, Royal J.
American Institute of Ultrasound in Medicine
35 - 35 mm slides with audio cassette, $50.00

This program discusses techniques in renal sonography, differentiation of focal masses, and the diagnosis of hydronephrosis.

SMALL PARTS SCANNING

Bartrum, Royal J.
American Institute of Ultrasound in Medicine
59 - 35 mm slides with audio cassette, $50.00

New instrumentation with higher axial resolution and limited range, improved by using better damping techniques and higher frequencies, now allows detailed examination of superficial structures such as the carotid arteries, thyroid gland and testicle. This program discusses instrumentation and lesions of such structures.

ULTRASONOGRAPHY IN SURGERY - NEW DIMENSION IN DIAGNOSIS

MPO film (requires special projector)
Contact professional representative of Merck, Sharp and Dohme for loan.

ULTRASOUND

Teele, Rita L.
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $95.00

ULTRASOUND DIAGNOSIS OF GALLSTONES

Lyns, Edward A.
American Institute of Ultrasound in Medicine
44 - 35 mm slides with audio cassette, $50.00

This program focuses on ultrasound techniques for detecting gallstones. The importance of a high frequency crystal with appropriate focal length and lateral resolution is emphasized. Typical findings and multiple variations of gallstone appearance are highlighted.

ULTRASOUND IN DIAGNOSIS OF INTRACRANIAL HEMORRHAGE

Johnson, Michael
American Institute of Ultrasound in Medicine
60 - 35 mm slides with audio cassette, $50.00

Ultrasound has a high specificity and sensitivity to detect and localize hemorrhage and can be used in a serial mode to evaluate resolution or progression of the lesion. Included are illustrations of hemorrhage varying in location and severity with follow-up development of hydrocephalus or porencephaly.

ULTRASOUND IN THE DIAGNOSIS OF OTHER CNS MALFORMATIONS

Babcock, Diane S.
American Institute of Ultrasound in Medicine
48 - 35 mm slides with audio cassette, $40.00

This program discusses and illustrates the numerous cystic malformations of the brain which can be detected and identified with ultrasound. Many of these ultrasound findings are correlated with angiography, pneumoencephalography and CT.

ULTRASOUND EVALUATION OF THE JAUNDICED PATIENT

Merritt, Christopher R.B.
American Institute of Ultrasound in Medicine
58 - 35 mm slides with audio cassette, $50.00

The primary role of ultrasound in jaundice is to demonstrate the biliary tree and confirm the presence or absence of bile duct dilation. With static and real time instruments, the level of obstruction and etiological causes can often be determined and some nonobstructive causes may also be revealed.

ULTRASOUND EVALUATION OF THE KIDNEY

Sanders, Rifkin
Medcom Products
60 - 35 mm slides with audio cassette, $90.00

ULTRASOUND IN HEPATIC METASTATIC DISEASE

Merritt, Christopher R.B.
American Institute of Ultrasound in Medicine
59 - 35 mm slides with audio cassette, $50.00

The various patterns of metastatic disease as present in the liver are illustrated and discussed. The accuracy of ultrasound when used as a supplement to radionuclide scanning in characterizing focal abnormalities is reviewed.

ULTRASOUND IN RADIATION THERAPY PLANNING

Brascho, Donn J.; Brown, Ross E.
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $95.00

URINARY SYSTEM: BLADDER FUNCTION TESTS, ULTRASONOGRAPHY AND RADIONUCLIDE STUDIES

Concept Media
3/4" color filmstrip, $98.00

7. MULTI-MODE IMAGING

A. PUBLICATIONS

ATLAS OF NON-INVASIVE TECHNIQUES
Luisada, Aldo; Perez, Gloria; Bhat, Pachalla
Charles C. Thomas, Publisher, 1976, $45.75

Presents interpretations of tracings obtained by indirect methods (non-invasive techniques) and discusses the usefulness of these methods, the precision of their data, and their possible shortcomings.

COMPUTED TOMOGRAPHY OF THE HEAD AND NECK
Mancuss, Anthony; Hanafee, William
Williams and Wilkins Company, 1981, $55.00

COMPUTED TOMOGRAPHY, ULTRASOUND, AND X-RAY
Moss, Albert A.; Goldberg, Henry I.
Masson Publishing USA, Inc., 1979,. $65.50

COMPUTER AIDED TOMOGRAPHY AND ULTRASONICS IN MEDICINE
Ravio, J.; Greenleaf, J.F.
Elsevier North Holland, Inc., 1978, $46.50

CORRELATIONS IN DIAGNOSTIC IMAGING
Sodee, D. Bruce
Appleton-Century-Crofts, 1979, $22.00

Imaging experts from different fields offer their professional opinions on and experience with imaging's major diagnostic procedures - nuclear medicine, ultrasound, and computed tomography.

INTERCOMPARISON OF NUCLEAR MEDICINE, ULTRASONOGRAPHY, AND COMPUTED TOMOGRAPHY IN THE DIAGNOSIS OF LIVER DISEASE: A RETROSPECTIVE STUDY
Bureau of Radiological Health
National Technical Information Service, PB 199-044/AS, 1981, $7.50

Presents the results of a review on the contributions of nuclear medicine, ultrasonography, and computed tomography to the diagnosis of various hepatic diseases.

INTRODUCTION TO CLINICAL RADIOLOGY: A CORRELATIVE APPROACH TO DIAGNOSTIC IMAGING
Daffner, Richard H.
C.V. Mosby Company, 1978, out of print

This introductory text thoroughly correlates radiologic patterns with the pathophysiology they indicate. Information on diagnostic ultrasound and computed tomography is incorporated into the discussions.

MEDICAL IMAGING
Krell, Louis, Ed.
Year Book Medical Publishers, 1979, $45.00

A basic text for all clinicians wishing to familiarize themselves with the various scanning techniques - computed tomography, ultrasound, and isotope and nuclear magnetic resonance imaging.

NUCLEAR MEDICINE AND ULTRASOUND
Freeman, Leonard M.; Blaufox, M. Donald
Grune and Stratton, Inc., 1976, $34.00

Includes such topics as ultrasound evaluation of the thyroid, ultrasonic and radionuclide scanning in pancreatic disease and nuclear medicine and ultrasound.

RECENT ADVANCES IN RADIOLOGY AND IMAGING
Lodge, Thomas; Steiner, R.E.
Churchill Livingstone Inc., 1979, $55.00

TEXTBOOK OF RADIODIAGNOSIS
van Voorthuisen, A.E.
Oxford University Press, Inc., 1979, $67.50

The examination of each organ is discussed in detail, with reference to ultrasound, computed tomography, and nuclear medicine where appropriate.

TEXTBOOK OF RADIOLOGY AND IMAGING
Sutton, David, (Ed.)
Churchill Livingstone Inc., (3rd Ed.), 1980, $175.00 for 2 vol.

Comprehensive textbook of radiology. Completely updated, with many new illustrations, a new section has been added on imaging which covers computed tomography of the central nervous system and the body, radioisotope scanning and the uses of ultrasound.

B. AUDIOVISUALS

CT/ULTRASOUND CORRELATIVE BRAIN ANATOMY (NORMAL)
Rumack, Carol
American Institute of Ultrasound in Medicine
41 - 35 mm slides, $40.00

A comparison is made between computed tomography and ultrasound evaluation of the infant brain. Advantages and disadvantages of each modality are discussed.

8. OBSTETRICS/GYNECOLOGY

A. PUBLICATIONS

ATLAS OF ULTRASONIC DIAGNOSIS IN GYNECOLOGY AND OBSTETRICS
Schlensker, Karl-Heinz
Publishing Science Group, 1975, out of print

ATLAS OF ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY
Kobayaski, Mitsumao; Hellman, L.; Cromb, E.
Appleton-Century-Crofts, out of print

CLINICAL ATLAS OF GRAY SCALE ULTRASONOGRAPHY IN OBSTETRICS
Cadkin, Alan V.; Motew, Martin N.
Charles C. Thomas, Publisher, 1979, $77.50

Numerous high quality gray scale scans are used to demonstrate clinical applications, diagnostic findings, normal variations, and common pitfalls. General information is presented on basic physics, scanning techniques, gynecology, and practical applications of real-time ultrasound.

DIAGNOSTIC ULTRASOUND APPLIED TO OBSTETRICS AND GYNECOLOGY
Sabbagha, Rudy E.
Harper and Row Publishers, 1980, $47.50

Topics include ultrasound use in differentiating normal from abnormal pregnancy; gynecologic and breast diseases; abdominal and cardiac abnormalities; and defining fetal age, growth, weight, and well-being.

DIAGNOSTIC ULTRASOUND IN CLINICAL OBSTETRICS AND GYNECOLOGY
Thompson, Horace E.; Bernstine, Richard L.
John Wiley and Sons, Inc., 1978, $45.00

A text-reference of applications of diagnostic ultrasound in obstetrics and gynecology, including: diagnosis of pregnancy, placental localization, multiple pregnancy, complications of pregnancy, identification of fetal life and death, differentiation of solid and cystic masses, identification of free and encysted fluid, and localization of intrauterine contraceptive devices.

DIAGNOSTIC ULTRASOUND IN OBSTETRICS
Hobbins, John C.
Churchill Livingtone Inc., 1979, $22.00
(Vol. 3 of Clinics in Diagnostic Ultrasound)

In addition to examining the role of ultrasound in ascertaining gestational age, placental localization, and multiple gestation, this volume explores the potential of the modality in obtaining subtle information about the growth and development of the fetus, its structure and dynamic function.

GYNECOLOGY

Parson, L.; Sommers, S.C.
W.B. Saunders Company, (2nd Ed.), 1978, Vol. 1 $50.00, Vol. 2 $40.00

This second edition brings added information on: stilbestrol and vaginal carcinoma; administered estrogens and endometrial carcinoma; contraceptive pills; and major gynecologic cancers and their management.

GYNECOLOGY ILLUSTRATED

Garrey, M.; Govan, A.; Hodge, C.; Callander, R.
Churchill Livingstone Inc., 1978, $21.75

A solid base for learning gynecology is found in this text which contains the latest information on abortion, sterilization and contraception, as well as the modern use of cytotoxic drugs in the treatment of malignant disease.

HANDBOOK OF OBSTETRICS AND GYNECOLOGY

Benson, R.C.
Lange Medical Publications, (7th Ed.), 1980, $10.00

ILLUSTRATED MANUAL OF ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY

Kobayaski, Mitsumao
Lippincott/Harper, 1974, out of print

This manual contains 674 electrosonograms which are valuable as standards of reference to aid in the diagnosis of obstetric and gynecologic problems. Both scanning and interpretation techniques for obstetric and gynecologic entities are presented.

MAMMOGRAPHIC, THERMOGRAPHIC AND ULTRASONIC INSTALLATIONS

American College of Radiology
Fascicle, $10.00 for ACR members, $20.00 for non-members

Fascicles contain articles contributed by well known physicians, equipment manufacturers, and architectural firms and cover changing patterns of radiologic practices and organization of medical care facilities as well as a more traditional view of floor plans and equipment.

MAMMOGRAPHY, THERMOGRAPHY AND ULTRASONOGRAPHY IN BREAST DISEASE

Evans, Kenneth T.
Butterworths Publishing, Inc., 1973, out of print

In this monograph the authors have described and compared mammography, thermography and ultrasound in various breast disorders.

OBSTETRICAL DIAGNOSIS BY RADIOGRAPHIC, ULTRASONIC, AND NUCLEAR METHODS

Campbell, John A.
Williams and Wilkins Company, 1977, $32.00

OBSTETRICS ILLUSTRATED

Garrey, M.; Govan, A.; Hodge, C.; Callander, R.
Churchill Livingstone Inc., (3rd Ed.), 1980, $22.00

Among the many subjects discussed are fetoplacental monitoring, the early diagnosis of immaturity, and the combined use of amniotomy and oxytocin.

OBSTETRIC ULTRASOUND: APPLICATIONS AND PRINCIPLES

Van Bergen, William . (Ed.)
Addison-Wesley Publishing Co., Inc., 1980, $21.95

This concise volume focuses on the obstetrical applications of the latest ultrasonic diagnostic methods. Strictly practical in its orientation, the book concentrates on basic principles and clinical situations.

PRINCIPLES AND PRACTICES OF ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY

Sanders, Roger A.; Everette, James A.
Appleton-Century-Crofts, (2nd Ed.), 1980, $52.50

This revision includes extensive additional information, including an almost total changeover to gray-scale illustrations; comprehensive coverage of instrumentation; an in-depth examination of ultrasound's value in assessing congenital abnormalities; and a much greater emphasis on measurement techniques in obstetrics.

ULTRASONIC DIAGNOSIS IN ECTOPIC PREGNANCY

Maklad, Nabil F.
Warren H. Green Publishers, Inc., 1981, $27.50

This volume deals with all aspects of early pregnancy pertaining to the diagnosis of ectopic pregnancy. Techniques of ultrasonic scanning, and the normal sonographic anatomy of the pelvis are discussed in detail. The ultrasonic signs and criteria for diagnosis of ruptured and unruptured ectopic pregnancy are described and illustrated.

ULTRASONICS IN EARLY PREGNANCY: DIAGNOSTIC SCANNING AND FETAL MONITORING ACTIVITY

Reinold, E.
S. Karger, 1976, $35.50

ULTRASONIC TOMOGRAPHY IN OBSTETRICS AND GYNECOLOGY

Lock, E.G.
S. Karger, 1973, $24.00

ULTRASONOGRAPHIC DIAGNOSIS IN OBSTETRICS AND GYNECOLOGY
Schams, H.; Bretscher, J.
Springer-Verlag, 1975, $46.00

ULTRASONOGRAPHIC PRESENTATION OF PREGNANCY
Bayer, H.; Prenzlau, P.; Schulte, R.; Luder, R.
Lippincott/Harper, 1979, $10.00

The numerous B-scan ultrasonograms are accompanied by a text which expounds the principles of ultrasound; the applications and limitations of the technique in obstetric diagnosis; possible sources of error; and correlation of results with other clinical findings for accurate interpretation.

ULTRASOUND IN GYNECOLOGY AND OBSTETRICS
Hassani, S.N.
Springer-Verlag, 1980, $29.00

ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY
Hobbins, John C.; Winsberg, Fred
Williams and Wilkins Company, 1977, $26.50

ULTRASONOGRAPHY IN OBSTETRICS AND GYNECOLOGY
Sanders; James
Appleton-Century-Crofts, out of print

ULTRASONOSCOPIC (REAL-TIME) DIFFERENTIAL DIAGNOSIS IN OBSTETRICS AND GYNECOLOGY
Meudt, R.O.; Hinselmann, M.
Springer-Verlag, 1978, $61.00

ULTRASOUND IN CLINICAL OBSTETRICS
Garrett, William; Robinson, David
Charles C. Thomas, Publisher, 1970, $16.50

ULTRASOUND IN CLINICAL OBSTETRICS
Law, R.G.
John Wright, PSG Inc., 1980, $25.00

This book outlines the manner in which ultrasound can be used to solve many of the problems encountered by the clinician in the course of his everyday work. Emphasis is placed upon the basic value of diagnostic ultrasound as a means of visualizing and measuring structures within the body.

ULTRASOUND IN HIGH-RISK OBSTETRICS
Sabbagha, Rudy E
Lea and Febiger, 1979, $11.00

This book presents an in-depth understanding of the clinical applications of diagnostic ultrasound in high-risk gravidas. The chapters discuss instrumentation, methodology, fetal age and growth, abnormalities of pregnancy and the placenta.

ULTRASOUND IN OBSTETRICS AND GYNECOLOGY
Athey, P.; Hadlock, F.
C.V. Mosby Company, 1981, $49.50

ULTRASOUND IN OBSTETRICS AND GYNECOLOGY
Popp, Lothar; Thomsen, Russell
McGraw-Hill Book Company, 1978, out of print

Practical guide to the correct use and interpretation of sonography in obstetrics and gynecology.

WILLIAMS OBSTETRICS
Hellman, L.S.; Pritchard, J.A.
Appleton-Century-Crofts, 1980, $49.50

This new edition of an outstanding text/reference reflects the most recent advances in obstetric care.

B. AUDIOVISUALS

ANATOMY OF THE PELVIS AND FETUS
Lyons, Edward A.
American Institute of Ultrasound in Medicine
46 - 35 mm slides with audio cassette, $50.00

Cross-sectional pelvic anatomy of fetal cadaver specimens is correlated with ultrasound images. Early fetal stages are identified for recognition. Cranial measurements and various pathological entities of the fetus as well as pitfalls are demonstrated.

DATING OF PREGNANCY
Dempsey, Peter J.
American Institute of Ultrasound in Medicine
47 - 35 mm slides with audio cassette, $50.00

Parameters reflecting the sum of uterine and fetal growth, total uterine size, gestational sac volume, crown-rump lengths, abdominal and thoracic diameter and circumference, head to body ratios and biparietal diameter are discussed and correlated with menstrual and family history to assist in determining gestational age.

DIAGNOSTIC ULTRASOUND IN OBSTETRICS AND GYNECOLOGY
Part 1 - Obstetrics
Sanders; Graham
Part 2 - Gynecology
Sanders; Scott
Medcom Products
60 - 35 mm slides with audio cassette, $90.00 for each part

FETAL ANOMALIES

Lyons, Edward A.
American Institute of Ultrasound in Medicine
64 - 35 mm slides with audio cassette, $50.00

Malformations of the head, spine, thorax, heart, abdomen, urinary tract, and skeleton are among those fetal anomalies illustrated in this presentation. Persistence of an ultrasound abnormality on serial imaging ensures an accurate interpretation of the malformation.

HELPFUL AIDS IN DIAGNOSING ECTOPIC PREGNANCIES

Gottesfeld, Kenneth
American Institute of Ultrasound in Medicine
66 - 35 mm slides with audio cassette, $50.00

This presentation examines the ultrasonic findings which indicate ectopic pregnancy and adnexal masses.

INTRACANIAL FETAL ANOMALY

Johnson, Michael
American Institute of Ultrasound in Medicine
61 - 35 mm slides with audio cassette, $50.00

Ultrasound permits excellent delineation of the intracranial fetal anatomy. Hydrocephalus and other lesions can be determined early and an example of intrauterine fetal shunting of hydrocephalus is illustrated. Real-time ultrasound depicting vascular pulsation aids in the localization of anatomic structures of the fetal brain.

MEASUREMENT DATA IN OBSTETRICAL ULTRASOUND

Sanders
Medcom Products
60 - 35 mm slides with audio cassette, $90.00

NEW TECHNIQUES TO DIAGNOSE INTRAUTERINE GROWTH ABNORMALITIES

Sabbagha, Rudy
American Institute of Ultrasound in Medicine
20 - 35 mm slides with audio cassette, $40.00

The importance and means of assessing fetal growth abnormalities is related to the high risk of central nervous system and other disorders with these findings. The sensitivity and specificity of these findings or combinations of findings are discussed.

NORMAL NEONATAL BRAIN ANATOMY

Mack, Laurence
American Institute of Ultrasound in Medicine
33 - 35 mm slides with audio cassette, $40.00

This audiovisual program presents a detailed correlation with multilabeled coronal and sagittal plane diagrams and tissue sections of the neonatal brain with corresponding state-of-the-art ultrasound images.

PLACENTA

Fleischer, Arthur C.
American Institute of Ultrasound in Medicine
75 - 35 mm slides with audio cassette, $60.00

This presentation describes the normal anatomy and development of the placenta. Senescent changes of the placenta, placenta previa types and diagnosis, abruptio placenta, and abnormally thick or thin placenta are included.

REAL-TIME IN THE CLINICAL SETTING

Bartrum, Royal J.
American Institute of Ultrasound in Medicine
33 - 35 mm slides with audio cassette, $40.00

This program presents an approach to real-time scannng which is organ oriented.

SAFETY OF OBSTETRICAL ULTRASOUND

Kremkau, Frederick W.
American Institute of Ultrasound in Medicine
24 - 35 mm slides with audio cassette, $40.00

This presentation discusses the extent of knowledge of the biological effects of ultrasound and explains that one should not expose the subject longer than needed for benefit and the intensity should be as low as possible. One should not hesitate to use diagnostic ultrasound with appropriate equipment and procedures, when benefit is expected.

ULTRASONIC DIAGNOSIS OF ECTOPIC PREGNANCY

Lawson
Medcom Products
46 - 35 mm slides with audio cassette, $90.00

ULTRASOUND EVALUATION OF THE NEONATAL BRAIN: TECHNIQUES OF EVALUATION

Appareti, Kevin
American Institute of Ultrasound in Medicine
52 - 35 mm slides with audio cassette, $40.00

Methods examining the infant brain are demonstrated using the articulated arm scanner as well as real time scanners. Diagrams illustrate the anatomy expected with various imaging planes. Artifacts and their causes are discussed.

ULTRASOUND IN OBSTETRICS AND GYNECOLOGY

Winsberg, Fred
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $95.00

UPDATE ON PELVIC MASSES

Sanders, Roger
American Institute of Ultrasound in Medicine
47 -35 mm slides with audio cassette, $40.00

Illustrations of typical ultrasound patterns of various pelvic lesions are discussed. The use of ultrasound in tumor management is reviewed and its utilization is contrasted with other diagnostic modalities.

9. OPHTHALMIC IMAGING

A. PUBLICATIONS

OPHTHALMIC CONTACT - B-SCAN ULTRASONOGRAPHY
Bronson; Fisher; Pickering; Trayner
Williams and Wilkins Company, 1976, $17.00

REAL-TIME OPHTHALMIC ULTRASONOGRAPHY
Hassani, Sam
Springer-Verlag, 1978, $43.00

ULTRASONOGRAPHY OF THE EYE AND ORBIT
Colenian, D. Jackson; Lizzie, Frederick L.; Jack, Robert L.
Lea and Febiger, 1977, $35.00

This book covers the principles, application, and display of ultrasonic energy; the application of these principles to the biometry of the eye; and ocular and orbital diagnosis, using numerous illustrations to demonstrate observations helpful in measuring and evaluating normal and abnormal tissues.

10. PEDIATRIC IMAGING

A. PUBLICATIONS

ATLAS OF ABDOMINAL ULTRASONOGRAPHY IN CHILDREN
Gates, Garry F.
Churchill Livingstone Inc., 1978, $27.50

An atlas of ultrasonography directed exclusively to diseases of childhood. The radiologist, pediatrician or surgeon will find this a helpful reference to the clinical applications of abdominal ultrasonography in pediatric disease.

ATLAS OF PEDIATRIC ECHOCARDIOGRAPHY
Gutgesell, Howard P.; Paquet, Marc
Harper and Row Publishers, 1978, $25.00

This text expresses the feeling that echocardiography is a "visual art." It combines, in one volume, a collection of echocardiograms representing normal echocardiographic anatomy as well as a variety of cardiac disorders in children.

ATLAS OF PEDIATRIC TWO-DIMENSIONAL ECHOCARDIOGRAPHY
Duncan, Walter J.
Charles C. Thomas, Publisher, 1981, $19.75

DIAGNOSTIC ULTRASOUND IN PEDIATRICS
Haller, Jack O.; Shkolnik, Arnold
Churchill Livingstone Inc., 1981, $22.00
(Vol. 8 of Clinics In Diagnostic Ultrasound)

Initial chapters discuss the role of ultrasound from the points of view of the pediatric surgeon and the pediatric urologist, providing a firm clinical framework for the following chapters.

PEDIATRIC ECHOCARDIOGRAPHY
Meyer, Richard A.
Lea and Febiger, 1977, $20.50

This book provides the echocardiographer with an in-depth approach to the evaluation of both congenital and acquired cardiac disease in patients from the newborn period to adulthood.

PEDIATRIC ECHOCARDIOGRAPHY - CROSS-SECTIONAL, M-MODE, AND DOPPLER
Rune-Lundstrom, Nils, Ed.
Elsevier-North Holland, Inc., 1980, $69.00

PEDIATRICS AND ADOLESCENT ECHOCARDIOGRAPHY
Goldberg, Stanley J.; Allen, Hugh D.; Sahn, David, J.
Year Book Medical Publishers, (2nd Ed.), 1980, $39.50

Includes the latest in M-Mode, echo Doppler, contrast echocardiography and much more.

PEDIATRIC ULTRASOUND
O'Haller, John; Schneider, Morton
Year Book Medical Publishers, 1980, $38.95

A complete presentation of the uses, advantages and capabilities of ultrasound as applied to pediatrics.

ULTRASONOGRAPHY OF PEDIATRIC SURGICAL DISORDERS
Canty, T.G.; Leopold, G.R.; Wolf, D.A.
Academic Press, 1982, $49.50

Demonstrates to physicians caring for infants and children the great clinical usefulness of diagnostic ultrasound in both the diagnosis and follow-up of disease entities.

ULTRASOUND OF THE PEDIATRIC ABDOMEN AND PELVIS; A CORRELATIVE IMAGING APPROACH
Kangerloo; Hooshang et al.
Year Book Medical Publishers, 1980, $45.00

Presents a systematic application of ultrasound and other radiographic modalities to the practical understanding and diagnosis of intraabdominal diseases in children.

ULTRASOUND IN PEDIATRICS
Miskin, Murray
Grune and Stratton, Inc., 1979, $43.00

Comprehensive text which illustrates and analyzes the usefulness of diagnostic ultrasound in pediatric practice.

WORKBOOK IN PEDIATRIC ECHOCARDIOGRAPHY
Allen, Hugh D.
Year Book Medical Publishers, 1978, $18.95

B. AUDIOVISUALS

CT/ULTRASOUND CORRELATIVE BRAIN ANATOMY (NORMAL)
Rumack, Carol
American Institute of Ultrasound in Medicine
41 - 35 mm slides, $40.00

A comparison is made between computed tomography and ultrasound evaluation of the infant brain. Advantages and disadvantages of each modality are discussed.

ECHOCARDIOGRAPHIC ASSESSMENT OF CONGENITAL AND ACQUIRED HEART DISEASE IN CHILDREN
Children's Hospital of San Diego
35 mm slides, contact hospital for details

ECHOCARDIOGRAPHY IN PEDIATRIC PATIENTS: PRACTICAL APPLICATIONS
Meyer, Richard
American Institute of Ultrasound in Medicine
43 - 35 mm slides, $40.00

PEDIATRIC B-MODE ULTRASONOGRAPHY: ABDOMINAL AND PELVIC
Shkolnik, Arnold
Radiological Society of North America
35 mm slides, $95.00

PEDIATRIC B-MODE ULTRASONOGRAPHY: RENAL AND ADRENAL
Shkolnik, Arnold
Radiological Society of North America
35 mm slides, $95.00

PEDIATRIC ULTRASOUND
Haller; Friedman
Medcom Products
Part 1 - Abdominal Masses, 57 - 35 mm slides, $35.00
Part 2 - Pelvic Diseases, 52 - 35 mm slides, $90.00
Part 3 - Diseases of the Urinary Tract, 56 - 35 mm slides, $90.00

11. PHYSICS

A. PUBLICATIONS

BASIC PHYSICS IN DIAGNOSTIC ULTRASOUND
Rose, Joseph L.; Goldberg, Barry
John Wiley and Sons, Inc., 1979, $38.50

An introduction to principles of basic physics necessary for understanding diagnostic ultrasound. Designed for self-review and classroom use.

ELEMENTARY PHYSICS
Van Name; Flory
Prentice Hall, Inc., (2nd Ed.), 1974, $19.95

FUNDAMENTALS OF ACOUSTICS
Kinsler, L.E.; Frey, A.R., et al
John Wiley and Sons, Inc., (3rd Ed.), 1982, $25.95

A clear treatment of the fundamental principles underlying the generation, transmission, and reception of acoustic waves and their application to numerous fields.

INTRODUCTION TO THE PHYSICS OF DIAGNOSTIC RADIOLOGY
Christensen, E.E.; Curry, T.S.; Dowdy, J.E.
Lea and Febiger, 1978, $18.00

Contains essential aspects of physics and information on production and recording of data from radiographic examinations. Emphasis is given to factors which improve the quality of the recorded image.

PHYSICAL BASIS OF MEDICAL IMAGING
Coulam, Craig M.; Ereckson, Jon; Rollo, F. David
Appleton-Century-Crofts, 1981, $48.50

Following a practical rather than theoretical approach, this book details current medical imaging methods.

PHYSICAL PRINCIPLES OF ULTRASONIC DIAGNOSIS
Wells, Peter N.T.
Academic Press, 1969, $45.00

PHYSICAL PRINCIPLES OF ULTRASONIC TECHNOLOGY
Rozenberg, L.D.
Plenum Publishing, 1973, Vol. 1 $49.50, Vol. 2 $47.50

PHYSICAL ULTRASONICS
Beyer, Robert Thomas; Letcher, Stephen V.
Academic Press, 1969, $63.00

ULTRASONIC BIOPHYSICS
Dunn, Floyd; O'Brien, William D.
Academic Press, 1976, $56.00

ULTRASONIC METHODS IN SOLID STATE PHYSICS
Truell, Rohn
Academic Press, 1969, $61.00

B. AUDIOVISUALS

PHYSICS OF RADIOLOGY SERIES - DIAGNOSTIC ULTRASOUND PHYSICS - A BRIEF REVIEW
Real Time Imaging and Doppler Ultrasound - PM 34-35
Ziskin, Marvin C.
Status Report on Diagnostic Ultrasound Safety - PM 36
Kremkau, Fredrick W.
Ultrasound Physics and Static Imaging - PM 31-33
Goldstein, Albert
Radiological Society of North America, Inc.
35 mm slides with audio cassette, $185.00

PHYSICS: WHAT EVERY CLINICIAN SHOULD KNOW
Kremkau, Frederick W.
American Institute of Ultrasound in Medicine
52 - 35 mm slides with audio cassette, $50.00

Defines ultrasound, frequency, pulse length, and intensity. Various tissue interactions include propogation speed, attenuation, reflection, refraction, and scattering.

SCATTERING IN PULSE-ECHO ULTRASOUND
Carson, Paul L.
American Institute of Ultrasound in Medicine
17 - 35 mm slides with audio casette, $50.00

The compressibility, density and impedance of tissue affecting scattering, as well as the types of scattering media are discussed and illustrated.

12. QUALITY ASSURANCE

A. PUBLICATIONS

AIUM/NEMA SAFETY STANDARD FOR DIAGNOSTIC ULTRASOUND EQUIPMENT

American Institute of Ultrasound in Medicine, 1979, AIUM Members $4.00, Non-Members $8.00

Defines labelling and measurement requirements for ultrasonic diagnostic equipment and provides background information for safety considerations.

IMPLEMENTATION OF A QUALITY ASSURANCE PROGRAM FOR ULTRASOUND B-SCANNERS

Bureau of Radiological Health
National Technical Information Service, PB 138-340/AS, 1980, $7.50

This is a manual intended for the practitioner and operator of diagnostic ultrasound B-scanning equipment, and is designed to guide the user in analyzing and improving the quality of information obtained.

QUALITY ASSURANCE IN DIAGNOSTIC ULTRASOUND

American Institute of Ultrasound in Medicine, 1980, AIUM Members $5.00, Non-Members, $10.00

A guide to insure peak performance of ultrasound equipment. Topics covered include basic equipment operation, preventative maintenance programs and system performance and testing procedures.

QUALITY ASSURANCE IN DIAGNOSTIC ULTRASOUND - A MANUAL FOR THE CLINICAL USER

Bureau of Radiological Health
Superintendent of Documents, U.S. Government Printing Office
No. 017-015-00179-2, 1981, $4.00

This volume is to be used as a manual for the practitioner and operator of diagnostic ultrasound B-scanning equipment. Techniques and recommendations for taking corrective measures, discussions on the basic physics of ultrasound applications, and information on testing equipment are included.

STANDARD 100 MILLIMETER TEST OBJECT MANUAL

American Institute of Ultrasound in Medicine, AIUM Members $3.00, Non-members $6.00

Defines the AIUM Standard 100 millimeter test object and the procedures for its use.

STANDARD SPECIFICATION OF ECHOSCOPE SENSITIVITY AND NOISE LEVEL
American Institute of Ultrasound in Medicine, AIUM Members $3.00, Non-members $6.00

Provides a definition of echoscope sensitivity and noise level and a procedure for determining these parameters.

B. AUDIOVISUALS

OPTIMAL SELECTION OF EQUIPMENT AND TRANSDUCERS
Goldstein, Albert
American Institute of Ultrasound in Medicine
35 - 35 mm slides with audio cassette, $50.00

This audiovisual program explores image resolution and water bag techniques as they impact upon pediatric or neonatal imaging. Discussions of spatial and echo amplitude resolution, the importance of near field length and focal capabilities of transducers, and the effect of water bag techniques and their application are included.

QUALITY ASSURANCE: THE FOCUS IS ON YOU
Goldberg, Barry B.; Pinkney, M. Nathan
Nuclear Associates, Inc.
80 - 35 mm slides with cassette, $125.00

Provides a foundation for implementing a quality assurance program in the diagnostic ultrasound department.

QUALITY CONTROL
Carson, Paul L.
American Institute of Ultrasound in Medicine
32 - 35 mm slides with audic cassetee, $50.00

This program discusses and illustrates such quality control procedures as biweekly and daily testing, the use of test phantoms, and checks on arm rigidity and electrical safety.

ULTRASOUND INSTRUMENTATION
Winsberg, Fred
Radiological Society of North American
35 mm slides with audio cassette, $95.00

C. TRAINING AIDS

AIUM STANDARD 100 MM TEST OBJECT
Nuclear Associates, Inc., $310.00

This equipment offers a convenient and effective means of assessing the calibration of ultrasound systems. Routine equipment checks can be performed in minutes.

Also available from
Medcorp
Ross Chemical Manufactures and Consultants
Fred S. Dunning Company
Ultracal, Inc.

DIAGNOSTIC ULTRASOUND POWER METER
Nuclear Associates, Inc., $2350.00

This unit permits measurements of the average acoustic power produced. Users can evaluate the effects of system control settings and particular transducers and choose the combination that provides diagnostic images with the least exposure to patients.

MINIATURE HYDROPHONE PROBE
Nuclear Associates, Inc., $1950.00

This instrument consists of a submersible piezoelectric polymer probe with an integral pre-amplifier. When connected to an appropriate display device, the hydrophone may be used to obtain ultrasound intensity measurements and beam profiles.

MULTI-LUX ILLUMINATOR
Nuclear Associates, Inc., $140.00

The "Multi-Lux" provides multi-image camera users with bright, evenly-diffused light in a space-saving configuration which can be used in nuclear medicine, CT and ultrasound departments.

MULTI-PURPOSE TISSUE/CYST PHANTOM
Nuclear Associates, Inc., $895.00

This phantom is used for evaluating system/transducer performance of all types of imaging instruments, including small part scanners. It simulates liver tissue scattering and attenuation, includes cyst-like and solid structures of varying sizes and provides resolution targets of varying reflectivity at several depths.

S.U.A.R. TEST OBJECT

Dubuque, Gregory L.; Carson, Paul L.
Nuclear Associates, Inc., $265.00

This test object measures axial resolution, relative sensitivity and uniformity. It includes an internal thermometer, testing protocol and suggested control settings for many systems and can be used with all B-scanners and most real-time systems.

TISSUE EQUIVALENT ULTRASOUND PHANTOMS

RMI, Inc.

Model 410 - Resolution and B-Scan Uniformity Phantom, $545.00
Model 411 - "Cyst" Phantom, $450.00
Model 412 - Resolution, Registration, Profile, and Sensitivity Phantom, $795.00
Model 413 - Linear Array Phantom, $795.00
Model 420 - Test Object Geometry, $245.00 (S.U.A.R. Test Object)

ULTRASOUND CONTRAST - DETAIL TEST OBJECT

Nuclear Associates, Inc.
No price available, inquire from company

ULTRASOUND TEST GENERATOR

Nuclear Associates, Inc., $645.00

This AC-operated instrument provides the means to evaluate ultrasound system performance rapidly and accurately. It is compatible with all A, B, and M mode equipment.

ULTRASOUND TISSUE-EQUIVALENT PHANTOM

Nuclear Associates, Inc., $395.00

This phantom provides a medium that exhibits ultrasonic responses similar to those encountered in human liver imaging. The medium contains target rods in the AIUM Test Object format for the evaluation of ring down, sensitivity (penetration), resolution, depth marker accuracy, and registration.

13. REFERENCE

A. PUBLICATIONS

AIUM MEDICAL ULTRASOUND BIBLIOGRAPHY
American Institute of Ultrasound in Medicine, 1981, AIUM Member $4.00, Non-member $8.00

Current listing of available ultrasound related monographs and books organized under fourteen anatomical categories, physics, instrumentation and facility planning for quick reference. It also contains the addresses of all medical ultrasound publishing companies.

DIAGNOSTIC MEDICAL ULTRASOUND EXAMINATION REVIEW
Kocheril, George; Miskovits, Christine; Peters, Bruce
Medical Examination Publishing Co., Inc., 1983, $22.50

DORLAND'S ILLUSTRATED MEDICAL DICTIONARY
W.B. Saunders Company, (26th Ed.), 1981, $29.50
Thumb-indexed, $34.50

INDEX TO SELECTED ACOUSTIC AND RELATED REFERENCES
Bureau of Radiological Health
National Technical Information Service, PB 120-967/AS, 1979, $28.50

This index was developed to provide a pooled set of references pertaining to uses, measurement, and effects of acoustic energy with special emphasis in the area of ultrasound.

INDEX FOR ULTRASOUND DIAGNOSIS
American Institute of Ultrasound in Medicine, 1979, AIUM member $3.00, Non-member $6.00

LANGUAGE OF MEDICINE
Chabner, Davi-Ellen
W.B. Saunders Company, (2nd Ed.), 1981, $16.95

This textbook teaches the basic elements of medical language - combining forms, prefixes and suffixes - so that the student can analyze new words as they are encountered and discern their meanings.

MEDICAL TERMINOLOGY: A PROGRAMMED TEXT
Smith, Genevieve L.
John Wiley and Sons, Inc., (4th Ed.), 1981, $14.50

MERCK MANUAL
Berkow, Robert (Ed.)
Merck and Co., Inc., (14th Ed.), 1982, $19.75

PHYSICIANS' DESK REFERENCE
Baker, Charles E., Jr.
Medical Economics Company, 1982, $15.95

PHYSICIANS' SYLLABUS
American Institute of Ultrasound in Medicine, AIUM member $3.00, Non-member $6.00

Prepared to provide a guide to educational content for physicians in ultrasound training.

PROCEEDINGS OF 1981 AIUM/SDMS ANNUAL CONVENTION
American Institute of Ultrasound in Medicine, AIUM Members $8.00, Non-members $16.00

One page abstracts of the presentations given at the annual convention. Includes scientific papers, works in progress, scientific exhibits and poster sessions. Proceedings from previous years also available at same cost.

RECOMMENDED NOMENCLATURE, PHYSICS AND ENGINEERING
American Institute of Ultrasound in Medicine, 1979, AIUM Members $4.00, Non-members $8.00

A listing of the terminology (with definitions) used in diagnostic ultrasound compiled to provide a basis for more precise communication between users, researchers, designers and manufacturers of ultrasound equipment. Also includes an appendix relating to ultrasound tissue signatures.

SONIC EXCHANGE - 1981
American Institute of Ultrasound in Medicine, AIUM Members $5.00, Non-members $10.00

Annual buyer's guide to equipment, products and services available in the field of diagnostic ultrasound. Published by the AIUM in cooperation with the commercial organizations of the industry.

STANDARD PRESENTATION AND LABELING
American Institute of Ultrasound in Medicine, AIUM Members $3.00, Non-members $6.00

Provides conventions in presentation and labeling of tomographic images which will aid in training and communication in ultrasound and other medical imaging.

TABER'S CYCLOPEDIC MEDICAL DICTIONARY
Thomas, Clayton L.
F.A. Davis Company, (14th Ed.), 1981, Indexed $17.50, not Indexed $14.95

ULTRASOUND REVIEW QUESTIONS BOOK
McClary, Ann; McNamara, Cathy
(2nd Ed.), $10.00
See Directory of Sources
Ultrasound Review Questions

14. MISCELLANEOUS

A. PUBLICATIONS

BASIC MEDICAL TECHNIQUES AND PATIENT CARE FOR RADIOLOGIC TECHNOLOGISTS
Torres, Lillian S.; Moore Carol M.
Lippincott/Harper, 1978, $15.50

This text explains the basic medical and nursing procedures that may be utilized by radiologic technologists, including both those that require medical aseptic technique only, and those requiring sterile or surgical aseptic technique.

CLINICAL DIAGNOSIS AND MANAGEMENT
Henry, John Bernard
W.B. Saunders Company, (16th Ed.), 1979,
Vol. 1 and 2, each $32.50

CLINICAL IMPLICATIONS OF LABORATORY TESTS
Tilkian, Canover
C.V. Mosby Company, (2nd Ed.), 1979, $14.50

INTRODUCTION TO DESIGNING AND CONDUCTING RESEARCH
Drew, Clifford
C.V. Mosby Company, 1980, $17.95

INTRODUCTION TO HUMAN DISEASE
Kent, Thomas H.; Hart, Michael N.; Shires, Thomas K.
Appleton-Century-Crofts, 1979, $16.95

Presents information on the overall frequency and significance of disease and diagnostic approaches, including laboratory resources. The authors report on the basic pathologic processes common to most disease.

INTRODUCTION TO THE STUDY OF DISEASE
Boyd, William; Sheldon, Huntington
Lea and Febiger, (8th Ed.), 1980, $19.75

This text presents a contemporary, up-to-date view of disease - its etiology, pathophysiology and techniques of diagnosis.

MANUAL OF ECHOENCEPHALOGRAPHY
Uematsu, Sumio; Walker, Earl
Robert E. Krieger Publishing Company, Inc., 1971, $13.50

NON-INVASIVE CLINICAL MEASUREMENT
Taylor, David
University Park Press, 1977, $39.50

PATIENT CARE IN RADIOGRAPHY
Ehrlich
C.V. Mosby Company, 1981, $14.95

PRIMER OF CLINICAL SYMPTOMS
Taylor, R.B.
Harper and Row Publishers, 1973, out of print

Analyzes common medical complaints in a simple, nontechnical style, examining probable and possible causes.

15. DIRECTORY OF SOURCES

PUBLISHERS

Academic Press
111 Fifth Avenue
New York, New York 10003

Addison-Wesley Publishing Co., Inc.
Jacob Way
Reading, Massachusetts 01867

American College of Radiology
Commission on Radiologic Units
and Standards
20 North Wacker Drive
Chicago, Illinois 60606

American Institute of Ultrasound
in Medicine
4405 East-West Highway
Suite 504
Bethesda, Maryland 20814

Appleton-Century-Crofts
c/o Prentice-Hall, Inc.
Order Department
Englewood Cliffs, New Jersey 07632

Bobbs-Merrill Company, Inc.
4300 West 62nd Street
Indianapolis, Indiana 46268

Wm. C. Brown Company Publishers
2460 Kerper Boulevard
Dubuque, Iowa 52001

Butterworths Publishing, Inc.
10 Tower Office Park
Woburn, Massachusetts 01801

Catholic Health Association
of the United States
c/o Publications Department
1438 South Grand Boulevard
St. Louis, Missouri 63104

Churchill Livingstone, Inc.
19 West 44th Street, Suite 301
New York, New York 10036

CIBA Pharmaceutical Company
Medical Education Division
Division of CIBA - GEIGY Corporation
Summit, New Jersey 07901

Crane Russak and Company, Inc.
347 Madison Avenue
New York, New York 10017

CRC Press, Inc.
2000 N.W. 24th Street
Boca Raton, Florida 33431

F.A. Davis Company
1915 Arch Street
Philadelphia, Pennsylvania 19103

Marcel Dekker, Inc.
270 Madison Avenue
New York, New York 10016

Elsevier North Holland, Inc.
52 Vanderbilt Avenue
New York, New York 10017

Focal Press, Inc.
10 East 40th Street
New York, New York 10016

Warren H. Green Publishers, Inc.
10 South Brentwood Boulevard
St. Louis, Missouri 63105

Grune and Stratton, Inc.
111 5th Avenue
New York, New York 10003

G.K. Hall and Company
Medical Publications Division
70 Lincoln Street
Boston, Massachusetts 02111

Harper and Row Publishers
Medical Department
2350 Virginia Avenue
Hagerstown, Maryland 21740

Haworth Press
28 East 22nd Street
New York, New York 10010

Heyden and Son, Inc.
247 South 41st Street
Philadelphia, Pennsylvania 19104

Johns Hopkins University Press
Charles and 34th
Baltimore, Maryland 21218

Igaku-Shoin Medical Publications
50 Rockefeller Plaza
New York, New York 10020

Inter Med Communications, Inc.
132 Welsh Road
Horsham, Pennsylvania 19044

S. Karger
Distributed by Albert J. Phiebig, Inc.
P.O. Box 352
White Plains, New York 10602

Kluwer Boston, Inc.
160 Old Derby Street
Hingham, Massachusetts 02043

Robert E. Krieger Publishing
Company, Inc.
P.O. Box 542
Huntington, New York 11743

Lange Medical Publications
Drawer Lane
Los Altos, California 94022

Lea and Febiger
600 South Washington Square
Philadelphia, Pennsylvania 19106

Lippincott/Harper
East Washington Square
Philadelphia, Pennsylvania 19105

Little, Brown and Company
Medical Division
34 Beacon street
Boston, Massachusetts 02106

Macmillan Publishing Co., Inc.
Front and Brown Streets
Riverside, New Jersey 08075

Masson Publishing USA, Inc.
14 East 60th Street
New York, New York 10022

McGraw-Hill Book Company
Princeton Hightstown Road
Hightstown, New Jesey 08520

Medical College of Virginia
Peripheral Vascular Laboratory
Department of Surgery
Noninvasive Peripheral Vascular
Laboratory
Box 221 MCV Station
Richmond, Virginia 23298

Medical Economics Company
Book Division
680 Kinderkamack Road
Oradell, New Jersey 07649

Medical Examination Publishing Co., Inc.
969 Stewart Avenue
Garden City, New York 11530

Merck and Co., Inc.
Publications Dept. 32-62
P.O. Box 2000
Rahway, New Jersey 07065

C.V. Mosby Company
11830 Westline Industrial Drive
St. Louis, Missouri 63141

National Technical Information Service
5285 Port Royal Road
Springfield, Virginia 22161

Noyes Data Corporation
Mill Road at Grand Avenue
Park Ridge, New Jersey 07656

Oxford University Press, Inc.
1600 Pollitt Drive
Fair Lawn, New Jersey 07410

Pergamon Press, Inc.
Maxwell House, Fairview Park
Elmsford, New York 10523

Plenum Publishing
227 West 17th Street
New York, New York 10011

Prentice-Hall, Inc.
Route 9W
Englewood Cliffs, New Jersey 07632

PSG Publishing Co., Inc.
545 Great Road
Littleton, Massachusetts 01460

G.P. Putman and Sons
200 Madison Avenue
New York, New York 10016

W.B. Saunders Company
Customer Service
218 West Washington Square
Philadelphia, Pennsylvania 19105

Charles B. Slack, Inc.
6900 Grove Road
Thorofare, New Jersey 08086

Society of Diagnostic Medical Sonographers
P.O. Box 31782
Dallas, Texas 75231

Springer Publishing Company
200 Park Avenue South
New York, New York 10003

Springer-Verlag
Customer Service
175 Fifth Avenue
New York, New York 10010

Superintendent of Documents
U.S. Government Printing Office
Washington, D.C. 20402

Charles C. Thomas, Publisher
301-327 East Lawrence Avenue
Springfield, Illinois 62717

Ultrasound Review Questions
P.O. Box 2571
Littleton, Colorado 80161

University Park Press
233 East Redwood Street
Baltimore, Maryland 21202

Urban Schwartzenberg
7 East Redwood Street
Baltimore, Maryland 21202

Van Nostrand, D., Co.
135 West 50th Street
New York, New York 10020

John Wiley and Sons, Inc.
1 Wiley Drive
Somerset, New Jersey 08873

Williams and Wilkins Company
428 East Preston Street
Baltimore, Maryland 21201

World Health Organization
c/o Dr. E. Komarov
Division of Environmental Health
1211 Geneva 27 Switzerland

John Wright, PSG Inc.
545 Great Road
P.O. Box 6
Littleton, Massachusetts 01460

Year Book Medical Publishers
35 East Wacker Drive
Chicago, Illinois 60601

PRODUCERS OF AUDIOVISUALS

American Institute of Ultrasound
in Medicine
4405 East-West Highway
Suite 504
Bethesda, Maryland 20814

Beckman Instruments, Inc.
2500 Harbor Boulevard
Fullerton, California 92634

Children's Hospital of San Diego
8001 Frost Street
San Diego, California 92123
ATTN: Dr. J.B. Waldeman, Chief of
Cardiology or Dr. Lily George,
Director of Cardiology

Concept Media
P.O. Box 19542
Irvine, California 92714

Educational Reviews, Inc.
6801 Cahaba Valley Road
Birmingham, Alabama 35243

Grossmont College
8800 Grossmont College Drive
El Cajon, California 92020
ATTN: W.E. Dellegar, Sc.D., Director
Cardiopulmonary Technology Program

Medcom Products
1633 Broadway
New York, New York 10019

Medical College of Virginia
Peripheral Vascular Laboratory
Department of Surgery
Noninvasive Peripheral Vascular Laboratory
Box 221 MCV Station
Richmond, Virginia 23298

Merck, Sharp and Dohme
Westpoint, Pennsylvania 19486
ATTN: George Baker

Nuclear Associates, Inc.
100 Voice Road
Carle Place, New York 11514

Radiological Society of North America, Inc.
Educational Materials Division
P.O. Box 1897
Chicago, Illinois 60690

San Diego Radiology Research
and Education Foundation
Diagnostic Ultrasound Videotape
Series Coordinator
Suite 101
10855 Sorrento Valley Road
San Diego, California 92121

Society of Nuclear Medicine
475 Park Avenue South
New York, New York 10016

Tampa Tracings
Box 1245
Tarpon Springs, Florida 33589

University of Iowa
Audiovisual Center
C108 East Hall
Iowa City, Iowa 52242

PRODUCERS OF TRAINING AIDS

ATA Corporation
2600 West 2nd Avenue
Denver, Colorado 80219

Fred S. Dunning Company
2910 Franklin Boulevard
Sacramento, California 95818

Medcorp
820 West Hyde Park Boulevard
Inglewood, California 90302

Nuclear Associates
100 Voice Road
Carle Place, New York 11514

RMI, Inc.
P.O. Box 44
Middleton, Wisconsin 53562

Ross Chemical Manufacturers
and Consultants
P.O. Box 8144
San Marino, California 91108

Ultracal, Inc.
260 Cruse Avenue
Monrovia, California 91016

PERIODICALS

American Journal of Cardiology
American College of Cardiology
Yorke Medical Group, Magazine Division
666 Fifth Avenue
New York, New York 10019

American Journal of Obstetrics and Gynecology
American Gynecological Society
C.V. Mosby Company
11830 Westline Industrial Drive
St. Louis, Missouri 63141

American Journal of Roentgenology
American Roentgen Ray Society
Williams and Wilkins Company
428 East Preston Street
Baltimore, Maryland 21202

Cardiovascular and Interventional Radiology
Springer-Verlag
175 Fifth Avenue
New York, New York 10010

Diagnostic Imaging
S. Karger
Distributed by Albert J. Phiebig, Inc.
P.O. Box 352
White Plains, New York 10602

Journal of Clinical Ultrasound
John Wiley and Sons, Inc.
605 Third Avenue
New York, New York 10016

Medical Ultrasound
John Wiley and Sons, Inc.
605 Third Avenue
New York, New York 10016

Radiologic Clinics of North America
W.B. Saunders Company
218 West Washington Square
Philadelphia, Pennsylvania 19105

Radiologic Technology
American Society of Radiologic Technologists
55 E. Jackson Boulevard
Suite 1820
Chicago, Illinois 60604

Radiology
Radiological Society of North America, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

Reflections
American Institute of Ultrasound in Medicine
4405 East-West Highway
Suite 504
Bethesda, Maryland 20814

Seminars in Ultrasound
Grune and Stratton, Inc.
111 Fifth Avenue
New York, New York 10003

Ultrasonic Imaging
Academic Press, Inc.
111 Fifth Avenue
New York, New York 10003

Ultrasound in Medicine and Biology
Pergamon Press, Inc.
Journals Division
Maxwell House, Fairview Park
Elmsford, New York 10523

U. S. GOVERNMENT PRINTING OFFICE 1983 381-177/316

FDA 81-8178 Procedures to Minimize Diagnostic X-Ray Exposure of the Human Embryo and Fetus (PB 82-110552, $8.50).

FDA 81-8179 A Microprocessor-Based True-RMS Line Voltage Monitor (GPO 017-015-00202-1, $3.25) (PB 82-125022, mf only).

FDA 82-8034 Report of State and Local Radiological Health Programs (PB 82-250028, $8.50).

FDA 82-8042 CSU-FDA Collaborative Radiological Health Laboratory Annual Report 1980 - Health Effects of Prenatal and Postnatal Whole-Body Exposure to Ionizing Radiation in the Beagle Dog (PB 82-177817, $14.50).

FDA 82-8054 13th Annual National Conference on Radiation Control - Problems, Trends, and Issues: The Need for Redefinition (PB 82-237298, $23.50).

FDA 82-8056 Nationwide Evaluation of X-Ray Trends: Medical X-Ray Data (brochure) (supersedes FDA 78-8056, May 1978).

FDA 82-8070 Bureau of Radiological Health Publications Subject Index (supersedes FDA 81-8070, November 1980) (PB 82-160250, $7.00).

FDA 82-8127 Guide for the Filing of Annual Reports (21 CFR Subchapter J, Section 1002.11) (PB 82-214206, $10.00).

FDA 82-8152 Annual Report of the Division of Biological Effects, Bureau of Radiological Health, Fiscal Year 1980 (October 1, 1979 - September 30, 1980) (PB 82-215500, $11.50).

FDA 82-8180 Radiation Safety in Nuclear Medicine: A Practical Guide (PB 82-159963, $14.50).

FDA 82-8181 A Primer on Theory and Operation of Linear Accelerators in Radiation Therapy (GPO 017-015-00204-7, $4.25) (PB 82-162306, mf only).

FDA 82-8182 Sourcebook of Educational Materials for Dental Radiology (PB 82-165580, $10.00).

FDA 82-8183 Report of Classroom Use of Sodium Vapor Lamps (PB 82-169517, $7.00).

FDA 82-8184 A Guide for the Submission of Initial Reports on Diagnostic X-Ray Systems and Their Major Components (Revised January 1982) (PB 82-185158, $11.50).

FDA 82-8185 Performance Evaluation of RF Electric and Magnetic Field Measuring Instruments (PB 82-195009, $8.50).

FDA 82-8186 High-Yield Criteria for Panoramic Radiography (GPO 017-015-00207-1, $4.75) (PB 82-229543, mf only).

FDA 82-8187 MTF's and Wiener Spectra of Radiographic Screen-Film Systems (GPO 017-015-00205-5, $5.50) (PB 82-215120, mf only).

FDA 82-8189 A Sensitometric Evaluation of Film-Chemistry-Processor Systems in the State of New Jersey (PB 82-263310, $7.00).

FDA 82-8190 An Overview of Ultrasound: Theory, Measurement, Medical Applications, and Biological Effects (GPO 017-015-00206-3, $6.00) (PB 83-111583, mf only).

FDA 82-8191 Workshop Manual for Radionuclide Handling and Radiopharmaceutical Quality Assurance (PB 83-105569, $10.00).

FDA 82-8192 Concepts and Approaches for Minimizing Excessive Exposure to Electromagnetic Radiation from RF Sealers (PB 83-111302, $8.50).

FDA 82-8193 United States Public Health Service Personnel Monitoring Program: Instruction Manual.

FDA 82-8194 The Utility of Administrative Diagnostic X Rays (PB 83-118497, $11.50).

FDA 82-8195 Guide for Compliance with Television Receiver Reporting and Testing Program Requirements (21 CFR 1002.10 and 1002.12) (PB 83-125773, $8.50).

FDA 82-8196 Background for Protective Action Recommendations: Accidental Radioactive Contamination of Food and Animal Feeds (PB 83-120246, $10.00).

FDA 82-8197 Technology Assessment Forum on Dental Radiology (PB 83-116418, $40.00).

FDA 82-8198 The Role of the U.S. Public Health Service in Radiological Health: 1946-1969 (PB 83-175695, $25.00).

FDA 83-8027 Directory of Personnel Responsible for Radiological Health Programs (supersedes FDA 82-8027, October 1981).

FDA 83-8152 Annual Report of the Division of Biological Effects, Bureau of Radiological Health (Fiscal Year 1981) (PB 83-165779, $11.50).

FDA 83-8154 Quality Control Procedures for Field Uniformity Correction Devices in Nuclear Medicine (GPO 017-015-00209-8, $2.75).

FDA 83-8202 A Microprocessor Controlled Instrument for Measurement and Display of X-Ray Waveforms (PB 83-215509, $10.00).